Established 1848.

hornill late ents.

OMS.

r ov-

int and of spu-quality to risk

an-. H.

d J.Case
I. Crawison, W.
undreds
vers all

TOR.

Clothes

OWEST

.

ock

IDS

EBY

sior

MO

SEEDS.

ST. LOUIS, THURSDAY, AUGUST 16, 1883.

MATHER'S

EVAPORATOR

BEST in USE.

No. 33. Vol. XXXVJ.

Sorgo Department.

Our Future Sugar.

BY PROF. W. O. AYERS. CONCLUDED FORM LAST WEEK.

It is not more than about thirty years ago that the sugar-yielding, or, as they proved to be, the sirup-yielding types of sorghum, were introduced into the United States. This was done with quite a flourish of trumpets, and a promise of good things to come, which, when we look back, we see to have been very unwise. The sugar relations of the country were to be revolutionized, so to speak. Every farmer was to have a little mill and a little kettle, and was not only to just quietly cook out his own sugar, but was to supply all his neighbors who might not be quite up to the mark.

These expectations were very naturally These expectations were very naturally not realized, and much disappointment resulted, and almost, as a necessary result, an unjust judgment followed. Public opinion vibrated to the opposite extreme, and the name sorghum became a sort of by-word. Still, the plant possesses so much of real value, which even ignorance and unskilful manipulation, which even ignorance are unskilful manipulation. a sort of by-word. Sink, the plant possesses so much of real value, which even ignorance and unskilful manipulation could not destroy, that its cultivation has not only been continued but very largely increased. This has been most strikingly true in the western and northwestern States, from Ohio to Kansas, and including also Kentucky and Tennessee. Sorghum has received much attention as a farm crop, and has been very profitable. But it has not been as a sugar producer. Attempts to make sugar from it have gradually been abandoned by most of the cultivators, and sirup only has been made, and the extent of this manufacture is shown by the census returns to have been 6.749,123 gallons in 1860, and 16,050,089 gallons in 1870, varying in value from 40 to 65 cents a gallon. And adding the estimate for forage, the sorghum crop has produced to the country about \$8,000,000 per annum. But during all this time sorghum has not produced sugar, that is to any extent. The attempts to cause the sugar to crystalize from the sirup have been failures, and it has been quite a settled conviction that the most that could be expected from sorghum was perhaps a good sirup, and nothing more. This of course would be of value, but sirup is not what the country or the world needs; we must have sugar. And it is only because a new departure has been reached, and a new world, so to speak, opened that we can now talk of "our future sugar" as a thing to merit our earnest and careful attention.

I write with the firm belief that a great, a very great, and radical change is

question." That committee have presented their report, which has just been published as a senate document. It is entitled "Investigation of the Scientific and Economic Relations of the Sorghum Sugar Industry, being a report made in response to a request from the Hon. George B. Loring, U. S. commissioner of agriculture." The committee are Prof. Brewer of Yale, Prof. Chandler of Columbia, Prof. Johnson of Yale, Prof. Smith of the University of Louisville, and Dr. Gideon E. Moore of New York The results at what they saw personally. "For the University of Louisville, and Dr. Gideon E. Moore of New York The results at which they have arrived, and which they detail in their report, they reach from two separate (and yet connected) modes of research and information. The first, and though it does not so directly declare itself to the popular mind, the one which is absolutely essential to all actual and trustworthy progress, is laboratory experiment; the second is actual production in the field, the mill, the boiling house, etc. The first gives the basis for action, the other shows the action and the comment of the Rio Grande Sugar Company, that of the Rio Grande Sugar Company, that of the Rio Grande Sugar Company, they or six miles of Cape May. The company had under cultivation in 1882, by actual survey, 1808 acres of sorghum. The committee visited the farm and the works, and they state what they saw personally. "For the visited the farm and the works, and they state what they saw personally. "For the visited the farm and the works, and they saw personally. "For the visited the farm and the works, and they saw personally." "For the visited the farm and the works, and they saw personally. "For the visited the farm and the works, and they saw personally. "For the visited the farm and the works, and they saw personally. "For the visited the farm and the works, and they saw personally. "For the visited the farm and the works, and they saw personally. "For the visited the farm and the works, and they saw personally. "For the

prise, for it is scarcely reasonable to call that an experimental working in which a single establishment can send to market, as was done in the season of 1882, more than a thousand barrels of sugar of un-

than a thousand barrels of sugar of un-exceptionable quality.

It is true that before these researches of Dr. Collier, sorghum sugar, and of good quality, had been produced in va-rious places, but the product from a given weight of cane, or from a given extent of land, was totally uncertain. It might be successful, it might be a failure, and the laws which influenced the success or the failure were so little understood that they were not subject to our control. In no establishment was it considered that they had settled the rules of practical and sucwere not subject to our control. In no establishment was it considered that they had settled the rules of practical and successful working. Many were hopeful, but it was only for future improvements. In actual fact, as late as 1880 sorghum sugar-making had no existance in any form which had any prospect of influencing the market of the world, or even, of its own vicinity. In 1881 progress was made; the day began to break. But not till the crop of 1882—long will the year be remembered!—was harvested, was it prudent or possible to say that this branch of industry had become a matter of national and of world-wide importance. And I say that to the laboratory work which made this success available due and full credit ought to be given. Before this time no one knew, when a field of sorghum was growing, what might be expected from it. Perhaps some sugar would be secured, (never very much,) and perhaps only a yield of juice, from which not a crystallized pound would be secured, and no one had yet settled the conditions on which success depended. But the time of uncertainty ended.

The report of the committee brings fully to light two facts which the chemical researches have established, and on these two the question hinges: The sorghum must be cut at the right time, and it must be worked with promptness after being cut. This is boiling down the committee's work till it crystallizes as we wish that the sugar should. A great mass or valuable material is embodied, but here is the gist of the whole. It is clearly shown that the juice of the sorghum contains at maturity its maximus as mature of the contains at maturity its maximus as mature of the contains at maturity its maximus as mature of the contains and maturity its maximus as mature of the contains and maturity its maximus as mature of the contains and maturity its maximus as mature of the contains and maturity its maximus as mature of the contains and maturity its maximus at mature of the contains and mature of the contains and mature of the contains and mature of t

We turn now from the laboratory to see what the report shows us of field working, and mill product. Returns from a number of establishments are given, but our space will allow us to refer to only one, that of the Rio Grande Sugar Company, New Jersey, within five or six miles of Cape May. The company had under cultivation in 1882, by actual survey, 1008 acres of sorghum. The committee visited the farm and the works, and they state what they saw personally. "For the of date Nov. 8, 1882, from the president, that the probable results from the season's work, ending with Nov. 11, are as follows: 6,000 tons of cane; 950 barrels, 350 pounds each of first sugar, and 1,100 barrels,50 gallons each, of molasses." "This committee have received from Mr. Knight, the sugar refiner in Philadelphia, a barrel of this sugar, sample of a lot of 350 barrels refined by him. It ranks, on the independent judgment of experienced grocers to whom we have shown it, as 'C' sugar."

Here is the practical working in bulk in confirmation and in result of the laboratory trials. They both tell one story.



sugar lands of the United States are no longer confined to our southern borders, they stretch far and wide. Wherever Indian corn can be raised, sorghum can thrive, and its products and profits follow. It is not to be supposed that small proprietors can manufacture sugar to advantage. That is not the case with sugar cane. The business requires skill, and experience, and it can best be carried on with the use of large required.

be the sirup, that has 9 pounds out of 11 gone to crystallized sugar. Now to me, the above yield of sugar is unparalleled. Suppose we figure, as practical sugar refiners and planters do, and see what the results will be, taking 100 gallons as a basis—sirup to weigh 11 1-2 pounds to the gallon. To reduce said sirup to the gallon. To reduce said sirup to the sire and a green control of the sire and a green contro refiners and planters do, and see what the results will be, taking 100 gallons as a basis—sirup to weigh 11 1-2 pounds to the gallon. To reduce said sirup to what is called green or mush sugar (i e—the sugar before the sirup is purged from it.) it is necessary to eliminate by evaporation, about 16 per cent. The 100 gallons of sirup, weighing 1150 pounds, deducting 16 percent, for evaporation, viz; 184 pounds, leaves 966 pounds of green or mush sugar. Now if "B. M. O." with his Cook's Pan, can get 50 per cent, from the 966 pounds of mush sugar, he is doing a good business, or 483 pounds of sugar, 996 pounds of mush sugar, ne is uoing a good business, or 483 pounds of sugar, from the 100 gallons of sirup. I cannot understand why "B. M. O.," with not al-low sugar makers the privilege of im-proving on machinery for sugar making,

grounced to this country most \$5,000.

The starting of the country most times. Praying for your patience on reading this long letter, I am, yours truly, John B. Thoms. Chicago, August 31th, 1883.

I have 12 acres of Amber Orange and cut the tops off with a corn knife. I liked that way very well. When I hauled it to the mill I laid it on poles with stone high, and looks splendid. Just let me under them to keep the cane up from the

cinity; corn varies according to location and culture. Mine is 7 to 9 feet high. Yours truly, H. V. X. Tonganoxie, Kansas.

Mathers' Evaporator.

We present on this page an illustra-tion of the Mathers' Evaporator, made by Mathers and Jenkins of Muncle,

Col. Colman: I have been in the cane business for over twenty years, and will give you my ideas of raising and harvesting cane. I think it should be planted about the first of May, the ground plowed very deep and planted as soon as possible. I usually plant three feet a part in rows, about twenty inches the other way, cultivate with a small one-horse cultivator; after the first use a larger one-time. reading this long letter, I am, yours truly, John B. Thoms.

Chicago, August 31th, 1883.

Seasonable Hints.

Col. Colman: This township reports nearly 300 acres of cane, and 10 or 12 mills. Of its condition, I cannot give much information beyond my own croppers that we have 12 acres of Amber Orange and the testing that the tops off with a potato plow. I use a lath to strip with; usually top before cutting; do not walk backwards to top by any means. Last to the tops off with a potato plow. I use a lath to strip with; usually top before cutting; do not walk backwards to top by any means. Last to top by any means, a creption of the property of the p which is absolutely essential to all actual and trattworthy progress, is laboratory progress, in sugar sensitive progress, progress, in the progress of the pr

in this section last fall, and saw juice receivers and strainers that were nothing but vinegar machines, and I heard of some of the sirup other for molasses; have two cooling that had a working force of 50 lbs. to the strainers when the strainers were not such as the strainers when the strainers were not such as the strainers when the strainers were not such as the strainers when the strainers were not such as the strainers when the strainers were not such as the strainers when the strainers were not such as the strainers when the strainers when the strainers were nothing to the strainers when the strainers when the strainers were nothing sets up three feet, have no floor, half roof on each side, one for wood, the strainers when the strainers were nothing to the strainers when the strainers when the strainers were nothing to the strainers when the strainers were nothing to the strainers when the strainers when the strainers when the strainers were nothing to the strainers when the strai heard of some of the sirup that had a working force of 50 lbs. to the square inch. Not one of these men used lime and not one would subscribe for the RURAL.

I have tried almost every imaginable form of filtering, settling, and defecation of sorghum juice, and have settled upon the following plan: The juice will pass through a wire strainer, thence through a pipe and downward to the bottom of a filter arranged with a false bottom and packed with a layer of clean straw or hay covered with sand. The juice will lifter arranged with a false bottom and packed with a layer of clean straw or hay covered with sand. The juice will lifter upward through this, and flow out nearer the top of the can or cask into settling tanks where I temper with milk of lime, and draw off into the evaporator with swing pipes.

Now if this is not too long, I would like to give a few of my ideas about mills and pans. For a two-horse outfit, get a first-class norizontal mill weighing not less than 14 or 15 feet long, so as to give plenty of power, and then, with the mill slightly open, cram in the cane until it comes out like pulp. I saw a mill run like this and it made my eyes bulge out to see it chew up cane. I like the covered evaporators far the best. A cover can be fitted to almost any kind of a pan.

We have had fine harvest weather. Wheat and oats are excellent in this vicility; corn varies according to location and culture. Mine is 7 to 9 feet high.

Yours truly H V N

the crop. Much new and improved manichinery is being placed in position and more careful preparation is being made for the working of the crop than ever before; and this is not all, the merchants and consumers are more solicitous than ever regarding the supply. I am advised by the Cane Machinery Manufacturers from different parts of the country that they have been crowded with orders, more than the capacity of their works would permit them to fill promptly, and for a heavier and better class of outfits than ever before.

heavier and better class of outfits than ever before.

Reports indicate that the crop is later than usual in all parts of the country; with us it is at least 30 days later than we usually expect. The last two weeks have been cool and cloudy with rain every 48 hours, just the weather to make the cane stocky and give the tonage per acre. From present indications the quality will be fine. We have 600 acres of cane under cultivation, varieties as follows:

I should be highly pleased to have you visit me at our works some time in September. About the time of our State fair will be a time when all the works will be in full operation in the Arkansas Valley. A cordial invitation is extended to all interested in the advancement of the Northern cane industry to come and visit us. Yours respectfully,

W. P. CLEMENT.
Sterling, Kansas, 8 August, 1833.

Premiums at the St. Louis Fair.

COL. COLMAN: Will there be a test of cane mills and manufacture of sirup on the St. Louis Fair Ground, at the com-

on the St. Louis Fair Ground, at the coning fair?

Danville, Indiana.

Undoubtedly the manufacturers will
be there to display their mills and also
their evaporators. We have heard of no
cane being grown for their use as was
the case last year. The following are
the premiums offered:

Best Sugar manufactured from Sorghum on the grounds of the As-

The Shepherd.

In the last two numbers of the RURAL WORLD, we have advised our readers of the state of monetary and mercantile affairs in Boston, from which it will be seen that they are in the throes of financial distress, and that many departments of business are seriously embarrassed. The boot and shoe and leather men seem to be suffering the most, but, as suggested two weeks since, when the trouble first developed, other branches sympathizing with them and subject to like causes have also had to succumb; hence, in our last issue the firm of Wright, Wooster & Co., wool dealers, and theretofore considered a strong house, was

wooster & Co., wool dealers, and detectors of considered a strong house, was reported under assignment.

In this connection we have two points to make: first that the boot and shoe and leather men are not suffering because of any reduction of the tariff, but are fully protected by a 20 per cent. duty on manufactured goods, and 30 per cent on forcign leather, that, as their failure is not, and cannot be traced to a reduction of tariff, the position of the RURAL World, that the woolen interests were not suffering solely, or mainly on that account, is established. Second: that the practice of sending our wool 1,500 miles, to a market, and waiting from three to six months for the money, is, as we have time and again said, too much of a good thing, and as well, unnecessary, uncalled for, and a risky business, whilst we can find a market at home at good prices for cash.

All form products sell for cash, from

All farm products sell for eash, from the hen's egg to the Shorthorn bull, or, indeed, the farm itself; and cash means cash in hand on a transfer of the proper-Will wool growers take warning?

Feeding as an Element of Success.

All animals thrive as they are fed. Plenty of the right kind of food and a good digestion are essential to healthy growth and successful breeding. Without these, the best bred animals degenerate; with them, improvement may be safely counted on. Perfection, it is true, involves other considerations such as coupling, sheltering and general handling, but he who provides an abundance of healthful food for his stock is pretty

sure to guard the other points.

Sheep above all other domesticated stock luxuriate and thrive in good pasturage and a change of diet, and the latter is as much an element of success as the former. A change of pasturage in sum-mer is as delightfully appreciated as a mixed diet in winter, and as conducive to contentment and to healthy develop-

ment.

Nor does this apply to the mature or aged sheep only—indeed, not so much as the young; for high feed and good care from infancy to the first breeding season forms the frame and fixes the digestive powers, and it is from these that quantity of wool, and quality as well as quantity of flesh are formed.

If then the lambs have had abundance

If then the lambs have had abundance during the spring and summer, it is now the duty of the flockmaster to see that he has provided an ample supply for winter, and in sufficient variety to afford nour-isnment and contentment. This moreover applies to the aged as well as the young. As a contemporary puts it, if we note the bodies of the sheep kept upon barren hills, or where food is scanty, we find them long, thin-bodied, sharp-backed, long-necked, long-headed and long-legged. This is the way nature molds her forms on a meager diet and slow digestion. An expert animal anatomist could, at once, tell the liberality of the diet of the animal by an examination of its skeleton. But if we examine the improved sheep of any breed, we find them compact, round-bodied, broadbacked, short-legged animals, rounded out into grace and beauty by superior alimentation. This improvement might have been very much hastened by selection in breeding, but still, the basis of the improved forms has been skillful feeding, long continued. This increased power of digestion comes of long habit. An animal that has always had scanty food has a very limited digestion, and it cannot suddenly be much increased. The food must be increased very gradually, and the stomach increase as gradually in during the spring and summer, it is now the duty of the flockmaster to see that he food must be increased very gradually, and the stomach increase as gradually in its digestive power.

It will thus be seen that skillful feed-

Ing is the true basis of improving the flock in form. The effect of poor feeding upon the improved Leleester and Cotswold sheep has often been seen, and the deterioration is much more rapid than the improvement had ever been. The flock-owner must, therefore, always regard it as a great misfortune that his flock should be reduced to a scanty ration, even for a short time. No prudent

per cent. This difference makes a large difference in the profit. The flock owner should study every item, and diligently make the most of it.

The best digestion produces the best growth of body from a given amount of food, and the power of digestion is increased in several ways. First, by the proper selection of foods. A mixture of grasses is nature's prescription of food for the sheep, as well as other grasse-eating all the elements, in precisely the right proportion, and, when in full supply, cannot be improved upon. When other food must be given, it should be of a varied character, in imitation of the grasses. The sheep has a strong craving for variety in food, and should be indulged. It is alway a strong recommendation of a food that it is palatable—that the animal eats it with pleasure. This is an element of digestibility.

A Correction.

A Correction.

Col. Colman: In a late issue of the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards about twelve feet long and the loar the post and post a ferce are post and post. The s

Rothwell to Fink

sheep. But for fear some one may be mislead, I will answer Mr. Fink briefly. He is right in saying the little black top Merinos of Ohio 30 years ago were free from wrinkles, small in size, low carriage, very white wool inside, and should have added they had no wool on their legs and heads, and precious little on their bellies. The rams sheared from 6 to 9 lbs., ewes from 3 to 4 lbs., and this had been their settled type for the 45 years they had been in the United States, but what a wonderful change in the last 30 years since the importation of French sheep. What do we see now at our fairs and public shearings? Rams with wrinkles from their nose to tail. large bone, have wool all over head and legs, wool nearly always of an orange or buff color, sometimes even a saffron, frequently heavy on neck and thighs, and shearing from 25 to 30 lbs. of wool, almost perfect models of the best French sheep? It was the grades crossed with the coarse sheep of France and orought to the United States that were so ungamly and made them unpopular in Ohio where some of them were faken. I could give scores of testimonies to prove the above, but will submit

blood in every large sized and complete wooled Merino with heavy folds now extant in the United States. A good judge of Merino sheep need not be swindled of he has the animal before

SOLOMON W. JEWETT. Shepherd's Home, Rutland, Vt.

Shade and Change of Pasture for Sheep.

The tenth census (1880) gives 42,192,-074 as the number of sheep in the United States, exclusive of spring lambs, yielding an aggregate of 140,681,751 pounds of wool. Ohio leads with nearly five millions, and California stands second, having over feur million sheep. Texas is third with about two and a half millions; Wichigan ranks fourth closely followed third with about two and a half millions; Michigan ranks fourth, closely followed in their order by New Mexico. Pennsylvania, New York, Missouri, Wisconsin, Indiana, Oregon. Illinois and Kentucky; all of which have over a million head of sheep. The vastness and importance of the sheep industry is indicated by the above figures.

A few spreading trees in a pasture add to the beauty of the field, and furnish a shade that is most acceptable to the flock on a hot summer day. After feeding through the long morning, the sheep may gather in the cool shade to rest and ruminate, until the scorching rays of

may gather in the cool shade to rest and ruminate, until the scorching ravs of noon-time are replaced by the less intense ones of early evening. The stream of pure water near by adds ore of the most essential elements in a well-equipped pasture. Contrast the view of this shady brook with that of newly-sheared sheep huddled together in a bare field, trying in vain to shield each other from the scorching sun, and without a drop of water within their reach!

Sheep thrive best with a change of pas-

water within their reach!

Sheep thrive best with a change of pasture. If there are two fields devoted to the flock, it is best to let the stock feed alternately upon them, thus giving fresh cropping all the time. In a few days the stock will be as willing to go in the opposite direction, to find the old pasture renewed, and the trees by the brook-side still yielding refreshing shade. All live stock like a change of diet, but none appreciate it more than the close-feeding preciate it more than the close-feeding

sheep.

If the work of the draftsman and engraver have the useful effect of encouraging a taste tor shady pastures, and a change of feeding ground, their labor will be well spent. Aside from the question of humanity, in itself sufficiently important to induce us to provide change, shade and water for the flock, that of profit is concerned. Animals will not thrive under conditions which their owners find almost intolerable. It pays well to make the live stock of the farm comfortable.

should be reduced to a scanty ration, even for a short time. No prudent flock owner can afford to economize on the food of his flock; trying to save on their necessary food is simply reckless waste.

The fecundity of the flock can be increased by using a ram from a more fertile breed. When the Cotswold, Leicester, Southdown ram is used to improve the common sheep, the result is to increase the fertility of the next generation. It is also easy to increase fecundity by selections in the same flock. Breeding will rapidly increase the persentage of lambs from a flock; and this is an item of great importance in a flock used for breeding early lambs. The percentage of lambs from the Merino is usually estimated at 60 to 80 per cent., while in the mutton breeds it is from 100 to 130 per cent. This difference makes a large difference in the profit. The flock owner should study every item, and diligently

A Correction.

Respectfully, R. T. McCulley, gists.

How to Dress a Sheep.

Gen Casslus M. Clay has written an interesting series of articles on breeding and management of sheep, in course of which he gives directions how to slaugher and dress a sheep so as to wholly he is right in saying the little black top Market of Ohic 79 cares are were feed to mutton.

Gen Casslus M. Clay has written an interesting series of articles on breeding and management of sheep, in course of which he gives directions how to slaugher and dress a sheep so as to wholly prevent the rank odor and flavor so often attached to mutton.

Gen Casslus M. Clay has written an interesting series of articles on breeding and management of sheep, in course of which he gives directions how to slaugher and dress a sheep so as to wholly prevent the rank odor and flavor so often attached to mutton.

Gen Casslus M. Clay has written an interesting series of articles on breeding and management of sheep, in course of which he gives directions how to slaugher and dress a sheep so as to wholly prevent the rank odor and flavor so often attached to mutton.

First he withholds all food from the animal for full twenty-four hours or more before slaughtering, but give in the meantime all the water it will con-sume. When ready to slaughter, he has sume. When ready to snaughter, he has all things in readiness, in order that the job may be accomplished in the shortest time possible, when the sheep is hung by the hind legs and the throat quickly cut, severing all the main arteries at once, and the moment life is extinct the once, and the moment life is extinct the work of disembowelling is accomplished, and the skin taken off in the shortest time possible. The result is meat of the most delicious flavor, without a taint of the rank offensive odor and equally offensive flavor so often accompanying meats of this kind.

He never selects a lamb for delicate meat but always chooses a full grown.

meat, but always chooses a full grown sheep, from two to three years old.

Sheep Notes.

Mr. Philo D. Jewett, of Glendale, Mr. Find D. Jewett, Mr. Find Dr. Jewett, Week, with a car of fine Merino rams for Texas. He will unload part of them at Waco, where they have been sold at \$40; the remainder will be taken to the San Antonio market.

Mr. Samuel Jewett of Independence, Mo., reports the sale last week of 10 good Merino rams to N. S. Ludwig, Grenola, Kas. He also sold to R. W. Gentry, of Ras. He also sold to R. W. Genry, of Sedalia, Mo., the fine buck lamb, Silver Horn second, whose sire was sold last year to G. A. Horte of San Antonio, Texas, at a handsome figure. Price \$200.

A Vermont sheep raiser says that the best method for doctoring sheep for foot rot is to wet the foot of every sheep in the flock, sound or lame, thoroughly with kerosene or coal oil, and put what sulphur you can take in the thumb and finger between the hoofs of each foot. Keep them in a dry place for twelve hours. Repeat the operation in about two weeks to make sure work.

Mr. Russell, of Horton, England, says the London Farm and Home, provides salt as well as water, so that his sheep may have access to it whether the weather be wet or dry. If this were done generally, those wholesale losses which are now suffered would not be experienced. Salt acts as a condiment. perienced. Salt acts as a condiment. and is no doubt an appetizer; but it also does something more in quickening the action of the internal organic system, and preventing the generation of internal parasites

Sheep shearing is an art that is not easily learned, and the work cannot well be done by machinery, as there can be no guarantee that the sheep will lie still while the operation is being performed. In the far West where sheep are kept by the thousand the demand for shearers is always in excess of the supply. The lack of good shearers is loudly complained of this spring in Texas, and as the clip of wool is light and prices low it will lesson the attractions of this industry to those who had imagined that it involved no difficult or disagreeable labor. able labor.

able labor.

The census returns give 155,000,000 pounds as the amount of wool clipped from 35,000,000 sheep in the United States in the spring of 1880. This shows encouraging progress since 1870, when the reported clip was 100,000,000 pounds from 28,000,000 sheep. Nearly a fourth of the entire production of 1880 is returned from two States namely. Ohio, which is credited with 25,000,000 pounds of wool and 3,000,000 sheep, and California, which shows nearly 17,000,000 pounds of wool and 4,000,000 sheep. In 1870 the clip of California was 11.000,000 pounds, and that of Ohio 20,000,000 pounds. pounds.

Hurdle feeding of sheep has its advantages. It may solve the question of fences where a farm is not thoroughly fenced. But in the majority of cases there is not a lack of fences, and hence the hurdle cuts no figure in that respect. But in the matter of saving the pasture, the system is a valuable one. By the use of a hurdle fence, the flock may be kept on a certain area, as long as it is Virginia Method of Handling Sheep.

Mr. A. Lord, of Greenwich, Va., recently wrote to the Home and Farm as follows:

"My sheep are Shropshire Downs, and only lost two lambs this year, which makes 90 lambs born from 71 sheep, or at least from 67 sheep, as four sheep had not lambed the 1st of May. Last year I had 121 lambs from 80 sheep, raising 114. The reason I had not more twins this year I suppose, was that 35 sheep of my flock were two years old with their first lamb. I never allow my sheep to breed until they are at that are formed for the follows:

Mr. Mechi used an iron hurdle on wheels on his farm, and he was enthusiastic in its praise because it lasted him thirty years, but it cost six dollars and fifty years, but it cost six dollars and fifty its on wheels, so much the better, but there are movable fences which can be set up with little trouble. Of course the system is practicable only with small problems.

Every farmer who have a four former who had a form

set up with little trouble. Of course the system is practicable only with small flocks.

Every farmer who keeps sheep or raises calves often feels the need of a movable fence, such as is denominated a hurdle by English farmers. Something is needed that can be easily and quickly set up and taken down, or moved from one place to another, so as to enclose a field of turnips, a patch of witchgrass or something that the farmer wishes the sheep to consume upon the spot where it grows; or for a temporary fence for many uses upon the farm. The following will answer such purposes: Have a blacksmith make the posts of nail rod, doubled and twisted in such a way that there will be a chance to slip two narrow boards an inch thick between the two parts at such distances apart as is thought necessary to confine the stock intended to fence with it. Then have two braces made of the same material for each post, and get a quantity of inch boards about twelve feet long and four inches wide. The posts can be easily the place. A brace which should have a hook at the upper end should then be put in place on each side to prevent the doubled and twisted in such a way that there will be a chance to slip two narrow boards an inch thick between the two parts at such distances apart as is thought necessary to confine the stock intended to fence with it. Then have two braces made of the same material for each post, and get a quantity of inch boards about twelve feet long and four inches wide. The posts can be easily thrust into the ground, and the boards put in place. A brace which should have a hook at the upper end should then be put in place on each side to prevent the wind from swaying it either way. Such a fence can be put up very rapidly, as

PERRY DAVIS'



Scalds. Toothache Headache

FOR SALE BY ALL DRUGGISTS.

SEEK

health and avoid sickness. Instead of feeling tired and worn out, instead of aches and pains, wouldn't you rather feel fresh and strong?

You can continue feeling miserable and good for nothing, and no one but yourself can find fault, but if you are tired of that kind of life, you can change it if you

How? By getting one bottle of Brown' Iron Bit-TERS, and taking it regularly according to directions.

> Mansfield, Ohio, Nov. 26, 1881.
> Gentlemen:—I have suffered with pain in my side and back, and great soreness on my breast, with shooting pains all through my body, attended with great weakness, depression of spirits, and loss of appetite. I have taken several different medicines, and was treated by prominent physicians for my liver, kidneys, and spleen, but I got no relief. I thought I would try Brown's Iron Bitters: I have now taken one bottle and a half and an am about well—pain in side and back all gone—soreness all out of my breast, and I have a good appetite, and am gaining in strength and flesh. It can justly be called the king of medicines.
>
> JOHN K. ALLENDER, Mansfield, Ohio, Nov. 26, 1881.

BROWN'S IRON BITTERS is composed of Iron in soluble form; Cinchona the great tonic, together with other standard remedies, making a remarkable non-alcoholic tonic, which will cure Dyspepsia, Indigestion, Malaria, Weakness, and relieve all Lung and Kidney diseases.

BEATEN BY WIND AND RAIN.

Sailors on the Sea and Laborers on th Land-Help for the Larboard Watch.

"There is no telling the force of the wind and the height and rush of the sea was sim ply appalling. When Cornish, the boatswain

ARTIFICIAL LIMBS.



P. KANE, Manufacturer, 205 N. 4th St., ST. LOUIS, MO.

Sure cure for Epliepsy or Fits in 24 hours, free to poor. Dr. Kruse, 2844 Arsenal St., St. Louis.

Seeds! Seeds!

7 South Main St.,

Between Market and St.,

Walnut.

Prices according to market value. RED WHEATS.

Early Michigan,...... Velvet Chaff, Lancaster, Bearded. AMBER WHEATS.

Early May, · Smooth, Fultz, · · · Smooth.

Tappahannock, White Chaff, Clawson, Red Chaff, Fall Barley, Seed Rye, Red Rust Proof Oats. GRASS SEED-Timothy, Clover, Red Top Blue Grass, Orchard Grass, Hemp Seed.

THE BAYLES

SOUTH ST. LOUIS NURSERIES

Specialty of Growing Apple, Peach, Pear, CHERRY AND PLUM TREES Also Everblooming & H. P. Roses,

and furnishing Nurserymen and Dealers at Lowest Rates. Correspondence solicited. S. M. BAYLES, South St. Lowis, Mo.

Northern Sugar Cane Manual By Profs. Weber & Scovell,
Of Champaign, Ill. Sent free on application
to GEO. S. SQUIER, Buffalo, N. Y.

ESTABLISHED 1866.

P. M. KIELY & CO., Commission Merehants,

719 Broadway. - - St. Louis, Pruits in their Season a Specialty.

We offer to shippers 16 years experience, romptness, and the best location in the city. Stencil plates, price currents, etc., free.

Fishing Nets.

FISHING TACKLE.

nell, Hoop and Bird Nets always on Send for Price List.

C. & F. CHENOT, No. 324 SOUTH MAIN ST., ST. LOUIS, MO.



We will send you a watch or a chain BY MAIL OR EXPRESS, C. O.D., to be STANDARD AMERICAN WATCH CO.



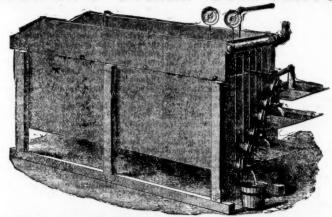
Seed Wheat!



SEEDS For the MERCHANT on our New Plan SEEDS For the MARKET CARDENER SEEDS For the PRIVATE FAMILY SEEDS Crown by ourselves on our own Farms

Haudsome Illustrated Catalogue and Rural Register FREE TO ALL. MERCHANTS, SEND US YOUR BUSINESS CARDS FOR TRADE LIST. DAVID LANDRETH & SONS, SEED GROWERS, PHILADELPHIA

BOOMER'S STEAM EVAPORATOR



FOR SORGHUM AND CIDER JELLY.

N. Y. City Office, 219 Fulton Street.



-::SPRAGUE'S::-

RESTAURANT.

Rooms, 50 Cents,

Dinner, 25 Cents.

716 N. 5th Street, St. Louis Opposite Union Market



THE BOOMER STEAM Send for BOOMER & BOSCHERT PRESS CO, SYRACUSE, New York.

For Cattle, Sheep & Hogs Barbing Machines, Barbs, &c. HULBERT & GOULD, Mfs FIRON FENCE Bull Proof 50c rod, \$160 mile

HAMILTON Only two young ladies occupy FEMALE a any college offering similar ad-factoring the fall of the fall of the fall of the fall term commences September 10th. 1883. For early to J. T. PATTERSON, President, LexiCOL getting cieties sociati them place on the every

CoL beat of contro word e ply, fr Arkan climat undist growe they a also sh be no with disapp least sp tain ch singula lesson But l

the int the line upon wable an in the opinior forced Let I country agent house.

a very

he has

commi

do inqu ber and obliged wishing recomn on acco Yet pri ports fo to show a myst this experience able b himself ness ever injustice ual patr by the s tively charge the pa whose c itude i

know h Undo ant has of a ser live he ing to b other de the, sam both na hardshi

compell dishone outside occasion the mer grower inexper from fre over-sto etc. A say and courage high ra by expr great d during a comes v

powers as the n threater ments, lower moderat humanit matter of the stru and enla in the fo

represer correction Our lo fruit-gre of the ve 83.

CO.,

Louis.

rperience, n the city.

ets,

lways on

TON.

ATCH CO.

neat!

SEEDS.

,N.Y.

TO.

DS

DS

.

its,

nts.

St. Louis arket.

R

nded. The he world. without rub-b to another nost delicate ed Iron, and nds on the ry to clothes-ice, \$8.00. lso the cele-lowest price.

Erie, Pa-

R

York.

p & Hoge Barbs, ac. ULD, Mfs St. Louis alogue Free

tills.
ill posicure nine
any lives,
rention is

althfulness of grounds for by steam and over \$200,000

ts,

ilty.

Horticultural.

Names of Societies Wanted.

COL. COLMAN: I am desirous of getting a list of all the Horticultural societies in the State, and of the Fair associations as well. Will you please urge them to send me a list of officers and place of meeting. Prospect for apples not flattering, about forty per cent of a crop; will be a good demand for all we have.

L. A. GOODMAN,
See'y State Hort. Society.
Westport, Mo., Aug. 6th, 1883.

REMARKS.—All right. This will give

REMARKS.-All right. This will give every society an opportunity of addressing you.

Arkansas Letter on Fruit Matters.

Arkansas Letter on Fruit Matters.

COL. COLMAN: Without one heartbeat of un-charity, or one pen-stroke of controversy, under the broad heaven that overarches us all, let me say one word on this topic of St. Louis fruit supply, from this yet comparatively young Arkansas.—Arkansas with her genial climate, her prodigious territory, and undisputed possibilities. As to the fruit growers of this great State, of course they are multiplying in number, and if also sharpening in intelligence, it would be no unnatural result of some conflict with adversity, or even anguish from disappointment. Of the latter I can at least speak from experience. From certain checks and drawbacks, it would be singular enough if we did not learn some lesson of watchfulness and caution.

But let me say right here in advance, that I think, as fruit-growers, we are inclined to exercise what may be called an honorable and even a noble faith in the integrity of our brethren the commission merchants, at the other end of

clined to exercise what may be called an honorable and even a noble faith in the integrity of our brethren the commission merchants, at the other end of the line. Such faith is surely honorable to him by whom, and to him toward and upon whom it is exercised; it is honorable and it is also agreeable, and it is only when such confidence is wronged by unfaithfulness that it becomes sensitive, apprehensive, and finally utterly impossible to re-establish. I believe that in the St. Louis commission merchants as a body, we are bound to exercise as much confidence as in any other class of business men. That is my individual opinion. Yet with great relactance I am forced to admit there may be exceptions. Let me cite you an instance. In the first place, there came down into this country, last April, I think, an assumed agent or representative of a St. Louis house. He left no stencil plates but he begged the public patronage. Soon after, in strawberry time, a friend of mine, a very estimable man, concluded to send him a case or two of berries, and though

a very estimable man, concluded to send him a case or two of berries, and though he has waited patiently for three months. I believe he has never heard from those

suggest the principle processors of the control of

factures. Men of capital, desirous of a good location, would be fortunate indeed, if they could find a more promising opportunity for investment. I wish to emphasize a few industries, such as the manufacture of leather, of cotton cloth, cotton seed oil, barrels, wagons, and canned goods. Besides, we need a flouring mill, and then again we have in our neighborhood, abundance of the heaviest and richest iron ore. What man, or men of means, will see and seize their opportunity? And not only iron ore, but kaolin and gypsum, are here.

St. Louis is certainly interested in the developments of these interests and industries. We are tritutary to St. Louis. Some one will be likely to discover the fact of our hitherto concealed resources, and traveled and sold trees many a time, and am proud of it. A man desirous to study out selling trees. He can soon collect mough matter to make a book that would lay the Hoosier Schoolmaster in the shade.

We could ourselves contribute a few fallen leaves from a "tree agent's life," collected in our missionary work, while craveling over the fertile West, preaching, replaining, and tree-peddling will knock the most persimmons every time. I am a practical nurseryman, a profession learned, not assumed, have also traveled and sold trees many a time, and am proud of it. A man desirous to study out selling trees. He can soon collect on worth and its inconsistent cless and varied characteristics, should go out selling trees. He can soon collect on what have also traveled and sold trees many a time, and am proud of it. A man desirous to study out selling trees. We can desire make a book that would lay the Hoosier Schoolmaster in the shade.

fact of our hitherto concealed resources, and profit immensely by it. This part of Arkansas is susceptible of easily becom-ing a great manufacturing center. We arkansas is susceptioned the easily becoming a great manufacturing center. We earnestly ask the attention of gentlemen seeking a field for profitable outlay, to look at this fact of our heavy iron ore deposits, and other most powerful inducements to enterprise and pecuniary investment.

C. COLGROVE. Nevada Co., Ark., Aug. 6, 1883.

Tree Agents.

EDITOR RURAL WORLD: It was my good fortune to hear what you said about tree agents" at the session of the Nurserymen's Association, held in your beautiful city of St. Louis. I have also, in a late issue of your excellent paper, read Mr. W. R. Wright's statement in regard tofraudulent tree agents, all of which may be very true. But who makes the swindling agents so often complained of, is the question I wish to bring before the tree-planting public? Soliciting orders for nursery stock, when honestly

agent.

I have before me price lists of nurserymen who boast of not employing agents, yet their wholesale prices are exagents, yet their wholesale prices are ex-tensively circulated among nurserymen and dealers who do employ agents, and thus furnish a market for their surplus stock, to those who do not. Nearly the whole business of our country is now done through the medium of traveling agents and salesmen. This vast army of traveling men are non-producers, and are the farmers' best friends, for they create a market for the farmers' sur-

the shade.

We could ourselves contribute a few fallen leaves from a "tree agent's life," collected in our missionary work, while traveling over the fertile West, preaching, "Plainsman, plant a tree." No class of men have done more for our country than the enterprising nurserymen, none of men have done more for our country than the enterprising nurserymen, none are more honorable or more careful of their reputation; for in this, as in other branches of business, lies the secret of success. When the farmer, merchant, or professional man pays a dollar for Concord grapes, and two dollars for Ben Davis apples, under assumed names, nine times out of ten it is his own fault. Such willing victims should never Such willing victims should never "kick," but repent and be posted.
D. S. GRIMES.

Denver, Col.

REMARKS .- If you can spare the time interesting and profitable reading.

The Crimson Beauty Raspberry.

COL. COLMAN: I have nothing to do

which may be very true. But who makes the swindling agents so often complained of, is the question I wish to bring before the tree-planting public? Soliciting orders for nursery stock, when honestly done, is one of the most honorable callings a man can engage in.

The work of the tree agent is largely a missionary work, beautifying and improving rural homes, causing trees, fruits and flowers to grow where none grew before, elevating and developing the good traits of humanity, by strengthening home ties, and thus making permanent eitizens of people who would otherwise be wandering nomads.

No nurseries can exist or do an extensive business without the aid, either directly or indirectly, of the tree agent.

I have before me before complained of with the controversy going on about the above fruit, but will give an account of its doing here.

Having obtained a few plants from Dr. Stayman, last spring a year ago, I had it fruiting this season in its usual time. The plants are hardy, not having been hurt by the past severe winter. Fairly productive, fruit large, beautiful, and of the very finest quality. May not be firm only for home market. And now, Ang. 4th, there are numerous young canes with ripe for home market. And now, Ang. 4th, there are numerous young canes with ripe and extensive business without the aid, and the plants are hardy, not having been hurt by the past severe winter. Fairly productive, fruit large, beautiful, and of the very finest quality. May not be firm loss of the tree agent is a first of the plants are hardy, not having been hurt by the past severe winter. Fairly productive, fruit large, beautiful, and of the very finest quality. May not be firm loss of the plants are hardy, not having been hurt by the past severe winter. Fairly productive, fruit large, beautiful, and of the very finest quality. May not be firm and the plants are hardy, not having been hurt by the past severe winter. Fairly productive, fruit large, beautiful, and of the very finest quality. May not be firm and the plants are

man No. 2 and Scarlet Gem are not much behind it; No. 2 in fact is its equal, in my opinion. All these are bearing a fair crop justnow.

If you have not got these in your grounds, and desire a few, you need only say so and they will be sent at the proper time.

Yours ever.

SAMUEL MILLER.

Bluffton, Mo.

REMARKS .- Thank you. We shall be pleased to give them a trial.

Horticultural Notes.

If you take up a grapevine that has been planted over a bed of bones, after a few years, you will find the bones firmly grasped by the roots, and in a decaying condition. From one to three bushels may sately be planted under every pear and apple tree and grapevine.

Pear and apple tree and grapevine.

Prof. J. L. Budd says that the gray worms with green heads, which infest strawberry beds to their great harm, may be destroyed in May by sprinkling with a weak solution of London purple. A slight poisoning of the foliage will destroy them at this stage, and close chemical analysis fails to detect any sign of poison when the fruit is ripe. of poison when the fruit is ripe.

Peaches, cherries and pears are usu-Peaches, cherries and pears are usually budded on young stocks, one or two years old, raised from seed for the purpose. Apples are mostly grafted on young stock, sometimes on pieces of roots, called root-grafting. Budding is done when the bark loosens easily, the time denending mon the climate. To time depending upon the climate. To graft old trees with good-sized heads, a portion of the branches should be cut well down, and grafts inserted in spring on the stumps; after one year the balance of the tree can be similarly treated.

For mice-gnawed trees a correspondent of the Germantown Telegraph recomends covering the wounds with grafting wax at once, then pile earth and pack it around high above the place to keep covered, as it will settle and wash down some. This, if done early, will save thousands of trees that have been injured by mice and rabbits. Make way injured by mice and rabbits. Make wax of one pound beeswax to four pounds resin and a half pint of linseed oil. If too soft add more resin; if too hard more oil. The wounds must not be neglected till they are hard and dry.

SILK CULTURE.-The American Silk SILK CULTURE.—The American Silk and Frait Culturist says that "the more we see of the progress of silk culture, the more we are convinced that it will eventually be one of the leading branches of industry in this country. The most intelligent of the agricultural part of the Nation are embarking in it, and, in such hands, it cannot fail of being profitable. But we would give a word of caution to such as are overflowing with enthusiasm such as are overflowing with enthusiasm in the cause. We would beg of them not to be led asta: yby false notions of great profits; not to undertake the feeding of a experience, practical experience; but to be careful, prudent, and become con-vinced by actual experiment."

FEEDING SILKWORMS .- As a rule, the FEEDING SILKWORMS.—As a rule, the caterpillars should receive steady, light meals, which should be repeated as soon as they are eaten. But, as it is of no use to give a rule which will not be observed, we say it is absolutely necessary to give at least six meals a day at about the following times: The first at 6 a. m. or thereabout, the second at 9 a. m., the

"Dr' Benson's Celery and Chamomile Pills, are worth their weight in gold in nervous and sick headache."—Dr. H. H. Schlichter, of Baltimore.

Jeems—"I'm very sorry to hear that Andra Thampson's wife's no weel." Jock—"Deed, man, she's in consumption, the doctor says." Jeems—"Puir thing. I's warrant it rins in her family." Jock—"Ay, I believe it is heretical,"—Glasgow Evening Times.

Fair Girl Graduates, whose sedentary lives icrease those troubles peculiar to women should use Dr. Pierce's "Favorite Prescrip-tion," which is an unfailing remedy. Sold by druggists.

"A pretty little fairy, who lives in Wash igton and who is very fond of having Bible stories read to her, ran to her mamma, the other day and said, eagerly: "Oh! mamma, please read me that pretty story again about little Moses with the bulls rushing after him!"

U. S Surgeon Recommends.-Dr. J. M. G. the To at Bloomington, Ind. The Dr. writes, to say:
s, a "I recommend Samaritan Nervine because it cures epilepsy." Physicians, generally, are

A witness who had been called to give ev idence as to the defendant's character, tes-tified that he had always moved in good society. "What do you mean by good society?" asked the Court. "Society in which it is fashionable to speak evil." promptly answered the witness.

fort to prevent or cure Fever and Ague. Ayer's Ague Cure is a far more potent pre-ventive and remedy, with the advantage of leaving in the body no poison to produce dizziness, deafness, headache and other disorders. The proprietors warrant it.

A Boston lady who had just moved to Chi-cago complained of her house. A neighbor asked her what the trouble was? "I suffer terribly from insomnia," replied the Boston lady. "Strange!" said the neighbor, "in a new house, too; you'll have to get a trap. She thought insomnia was Bostonese for rats -Hotel Mail.

"Golden Medical Discovery" is warranted to cleanse the blood from all impurities, from whatever cause arising. For Scrofula, Sores of all kinds, Skin and Blood Diseases, arge number of worms unless they have Dispensary Medical Association, Buffalo N. Y.

A story is told of a woman in the rural districts who wanted to keep up appearances, and who was often thwarted in this by her innocent and matter-of-fact daughter. One day, when a visitor was present at the table, the hostess said to her danghter, "Where are all our knives?" "Here they are. both of them!" was the astounding reply.

Revelation suggests the idea that from Woman comes the power to "bruise the ser pent's head." The words take a new meaning to-day since this is precisely what Mrs.



DARBYS Prophylactic Fluid.

DARBYS PROPHYLACTIC FLUID.

Also, as a Gargle for the Throat As a Wash for the Person; And as a Disinfec-tant for the House.

tant for the House.

A CERTAIN REMEDY AGAINST ALL CONTAGOUS DISEASES.

It neutralizes at once all noxious odors and gases. Destroys the germs of disease and septic (putrescent) floating imperceptible in the air, or such as have effected a lodgement in the throat or on the person.

A certain remedy against all contagious cases.

less. Perfectly Harmless, used Externally or In-

J. H. ZELIN & CO., Proprietors.

MANUFACTURING CHEMISTS, PHILA.

Price, 50c per bottle; pint bottles, \$1.

[Continued.]

CHAPTER II. wonderful and mysterious curative power is developed which is so varied in its operations that no disease or ill health can possibly ex

ist or resist its power, and yet it is Harmless for the most frail woman, weak-est invalid or smallest child to use. "Patients

"Almost dead or nearly dying"
For years, and given up by physicians of Bright's and other kidney diseases, liver complaints, severe coughs called consump tion, have been cured.

Women gone nearly crazy!
From agony of neuralgia, nervousness,
wakefulness and various diseases peculiar to

wakefulness and various diseases peculiar to women.

People drawn out of shape from exeruciating pangs of Rheumatism.
pangs of Rheumatism.
Inflammatory and chronic, or suffering from scrofula!

Erysipelas!
Satt rheum, blood poisoning, dyspepsia, indigestion, and in fact almost all diseases frail Nature is heir to Have been cured by Hop Bitters, proof of which can be found in every neighborhood in the known world.

AYER'S Ague Cure

ontains an antidote for all malarial disor-ters which, so far as known, is used in no other emedy. It contains no Quinine, nor any mineral or deleterious substance whatever, and conse uently produces no injurious effect upon the con itution, but leaves the system as healthy as it as before the attack.

WE WARRANT AYER'S AGUE CURE to

cure every case of Fever and Ague, Intermittent or Chill Pever, Remittent Fever, Dumb Ague, Gilious Fever, and Liver Complaint caused by malaria. In case of failure, after due trial, deal-ers are authorized, by our circular dated July 1st, 1882, to refund the money.

Dr. J. C. Ayer & Co., Lowell, Mass. Sold by all Druggists.

617 St. Charles St., St. Louis, Mo.,

617 St. Charles St., St. Louis,!Mo.,
A regular graduate of two medical colleges,
has been longer engaged in the Chronic,
Nervous, Skin and Blood Diseases than any
other physician in St. Louis, as city paper
show and all old residents know.
Nervous Prostration, Debility, Mental and
Physical Weakness, Mercurial and other
affections of the Throat, Skin and Bones,
Blood Impurities and Blood Poisoning, Skin
Affections, Old Sores and Ulcers, Impediments
to Marriage, Rheumatism, Piles. Especial
attention to causes from overworked brain.
Consultation at office, or by mail, free and
invited. A friendly talk or opinion costs
nothing. When it is inconvenient to visit the
city for treatment medicines can be sent by
mail or express everywhere. Curable cases
guaranteed; where doubt exists it is frankly
stated. Office hours, 9 a. m. to 7 p. m.; Suadays, 12 m. to 1 p. m. Pamphlets free.

MARRIAGE CUIDE,

260 PAGES, FINE PLATES, Elegant cloth and gilt binding. Scaleu for 50c in postage or currency. Over fifty wonderful pen pictures, true to life; articles on the following subjects: Who may marry; why not, why? Froper age to marry. Who marry first. Manhood; womanhood. Physical decay Who should marry. How life and happiness may be increased. Those married or contemplating marrying should read. It ought to be read by all adult persons, then kept ander lock and key. Fopular cliton, same as above, with paper cover and 200 pages, 20 cents by mail, in money or postage.

MANHOOD! OF LIFE KNOW THYSELF.

A Book for Every Man! The untold miseries that result from indiscretion in early life may be alleviated and cured. Those who doubt this assertion should purchase and read the new medical work processors of the read of the new medical work processors of the read of the new medical work posterior of the read of the new medical work posterior of the read of the new medical work posterior of the read of the read of the new medical work posterior of the read of the new medical work posterior of the new medical work posterior of the new medical posterior of th Young, Middle-Aged and Old!



GOOD, cheap homes in Audrain, Boone, Cal-roads, schools and churches. No debts; low taxes. J. P. Clark & Son, Mexico, Mo.

BY NORMAN J. COLMAN. PUBLISHED WEEKLY AT

ONE DOLLAR PER YEAR.

ADVERTISING: 25 cents per line of space; reduction on large or long time advertisements.

Address NORMAN J. COLMAN, Publisher,

OO Olive Street, St. Louis, Mo.
(Advertisers will find the Rural World one
of the best advertising mediums of its class in the country. This is the uniform testimony of all who have given it a trial. Many of our largest advertising patrons have used it for more than a quarter of a century, which is the highest possible recommendation of its value as an advertising medium.

READERS of the RURAL WORLD, writing to or calling upon any one advertising in our columns, will do us a favor if they will say they saw the advertisement in this paper.

READER, look over the eight pages of the RURAL WORLD. Are they not full to overflowing of information valuable to the general farmer, stock breeder, shepherd, horseman or dairyman? It costs you two cents delivered at your own post office. If you value it, please to tel your neighbor so, take his subscription and send it to this office.

FARMS FOR SALE,-We insert adverisements of farms for sale at one dollar a week, when not more than sixty words in length.

It is not worth while to talk of postal telegraphy in this country. There is a cranky touch of communism in the discussion that is attempted. The Government has more to do now than it does well.

The second large arrival of peaches at New York from Baltimore is reported as occurring last Saturday, comprising fity-seven car-loads, or about 30,000 baskets. The majority of the fruit is what is known as "Early Norths."

THE Prohibitionists of Ohio have adopted a resolution to observe the sec-ond Tuesday in each month as a day of fasting and prayer until after the fall election. It will be observed that our Prohibition friends are terribly in earn-

As seeding time will soon be here, our farmer friends are admonished to look around for desirable seed wheat. Get the ground in good order, choose sound, plump seed and plenty of it, drill in the wheat with some good fertilizer, and trust to providence for the early and the later rain and a good harvest.

THE proceedings of the third annual convention of the Missouri Wool Growers' association, held at Sedalia on the 4th, 5th and 6th of April last, has just been received from the secretary. By this time it is undoubtedly in the hands of every member of the association and that ought to mean every wool-grower in that ought to mean every wool-grower in

THE interest bearing debt of the national government, August 1st, was \$1,338,232,000. Cash in treasury, \$351,-356,345. If the cash on hand could be applied on the debt it would bring it to \$987,000,000. In 1866 it was three thousand millions.

THE election of a Democratic Governor has not diminished the yield of the land in Kansas. Congressman Ryan, who is now in Washington, and who has been interviewed by a correspondent of the New York Tribune, says: Kansas has produced about 30,000,000 bushels of wheat and will raise about 175,000,000

THE Carthage, Mo., Banner has had an interview with Prof. Van Cleve Phillips, hailing from \$5t\$. Louis, on the manufacturing industries of that enterprising portion of the State, in which we find the following. following:

following:

Reporter. Could you suggest any undeveloped industries about Carthage?

"Very many. The locality is a very favorable and desirable one for a paper mill. You have a good supply of clear water, and an abundance of straw, and a rapidly growing demand for paper in the southwest. There is no reason why rags should be sent east to be manufactured. Again, your country is highly tured. Again, your country is highly adapted to the growth of peaches. The soil contains a good portion of iron in which the peach tree flourishes. A company should be organized to plant 40,000 acres of your land in peaches. Plant acres of your land in peaches. Plant all seedlings and bud of best varieties. all seedlings and bud of best varieties. Set them on the hill tops not in valleys. The hills are the basins of moisture. The peaches should be canned as they ripen, with the skins on, and stored properly until autumn, then shipped to St. Paul, Dakota and other northern markets beyond the peach line. Also Carthage is a desirable locality for a starch factory. Glucose works should be a success at your place. Tanneries for fine skins might be successfully operated by using the sumac which grows so profusely on your ridges. Carthage has got the advantage for intelligence and enterprise as well as physically to become a large and prosperous city."

as well as physically to become a large and prosperous city."

Just why glucose and starch factories are desirable the Prof. does not state, but perhaps because he is more familiar with them than some others we could mention. A perusal of our first page will tell what. There is a grand outcome to these manufacturing industries however, especially in Missouri, where they are by no means numerous; and both starch and glucose are every day articles of utility and demand.

Mr. John L. Dow, representing the agricultural department of the Melbourne Leader, and his brother T. K. Dow, rep-representing a similar department on the Australasian and Argus, also of Melbourne, visited the office of the Rural World on Friday last, when on their way west to return home. These gentlemen have spent three months in this country looking into its various farm in-dustries with a view to representing to their readers such improved methods as have occurred in their travels. They appeared to take a warm interest in the successful developement of the Northern Cane industry, saying that the sorghum grass was indigo out to Australia, and not only could be successfully cultivated, but ought to be as successfully utilized as here. They took with them a sample of the Champaign sugar which the venerable A. J. Gay, one of the oldest sugar merchants in St. Louis, had in their presence pronounced New Orleans sugar, and could not be persuaded that it was a product of the heretofore despised sorghum, to such perfection has it been brought.

Questioned on the late exportation of Spanish-American sheep to their councessful developement of the Northern

Spanish-American sheep to their country, and the object they had in view, they said, our wool is long and fine and our sheep masters aim to breed to your coarser and heavier fleeced rams. coarser and neavier neeced rams. It is but an experiment, however, of some few of our younger and most enterpris-ing wool growers; the others will await the outcome, and if it proves advan-tageous, many will make similar experi-

000,000 bushels of cotton seed produced in the United States annually, which at the low price of 13 cents per bushel yields the planters over \$22,000,000 a year. It is hardly yet ten years since

highly refined condiment of the connoissieur, which is often superior in flavor,
color and delicacy to the celebrated olive
oll. In domestic economy, it is an important factor. Lard, so long depended
upon as a staple, finds a superior substitute in cotton-seed oil prepared for its
purposes. In numerous articles of food,
the fact of its being purely vegetable recommends it to popular favor. As an illuminating oil its use is growing extensively, and in thousands of mines the
crude oil of cotton-seed is burned in place crude oil of cotton-seed is burned in place of lard, which finds a greater service in lubrication. Indeed the products of cotton seed may be said to be a boon to humanity, as well as an enricher of the do-

mestic and export trade of America.
Of such value indeed has this heret neglected staple been found that Edwin Atkinson, the eminent Boston observer and economist, has expressed the view that people in the north would raise cotton for the seed alone, if the use of the fiber was unknown. But again, it has been pointed out in these passet time and been pointed out in these pages time and again that western agriculturists were annually impoverishing their land by repeatedly cropping without compensation, or of so replenishing the soil with vital plant food as to nourish and sustain it, whilst hundred for the courtes from it; whilst hundreds of thousands of tons of the most valuable of manures were

go on forever is as patent as any thing can be. It is a mistake even to suppose that a pasture cropped by cattle is to any considerable extent compensated therefor by their droppings, for the manure from unhoused stock exposed to cold and wet, is less valuable than from animals carefully stabled with the same feed. Not only is much of the excrement wasted by rains, but it is in itself poorer, the extra food required to keep unsheltered stock warm being about the process of loading upon care?

Does prodding affect quality and value of hides, and how much? As the usual the loading, fires and crazes the loading. being literally wasted. That this cannot

Soil Exhaustion—No. 3.

Assuming that I have at least made it the proves advantage to make a made and the nurried driving from the time ground the fulled States, and will doubleds be able to give their readers many valuable results.

MINSOURI MANUFACTORIES.

IMISSOURI MANUFACTORIES.**

IN see the fact that the fact that the fact that the products of the fact that the fact that the products of the fact that the building up and expansion of manufacturing enterprises in places where they have not heretofore been thought of. This sort of investment has but just begun in Missouri. It is a sort of movement which is cumulative. One enterprise begets another. Missouri, for the reason stated, will shortly be studded all over with thrifty manufactories of diversified character.

And the Rural World is a good paper to follow.

MONEY IN WASTE.

There is sometimes nearly as much money in what we waste as in what There is sometimes nearly as much money in what we waste as in what we save, if we only knew it, and this pertains perhaps as much to the various farm industries as to any other. In his is true from this parallel to the Padicio ocean, and covers one—hird the area of the whole country. Looking at the map it will be seen that nearly one—third Kansas, a vast area in Texas, one half excellent articles on "Our textile wealth and how we treat it" published in the excellent articles on the 5th and 12th July that excellent and experienced writer, H. Koelkanbeck, stated that "the annual production of flax straw on the total awaste of flax culture as stated above, is no less than 1,000,000 tons, of the sund in Kansas. Congressman Ryan, who is now in Washington, and who has been interviewed by a correspondent of the New York Tribune, says: Kansas:

There is sometimes nearly as much to the various farm finis is true from this parallel to the Padicio ocean, and covers one—hird the area in Texas, one half of the whole country. Looking at the map it will be seen that nearly one-third farms, Poled Cattle.

The Hereford and Polled Cattle map it will be seen that nearly one-third farms, a vast area in Texas, one half of Kansas, a vast area in Texas, one half was excellent and Montana, fall within this area. Confirmatory of this statement of Maj. Powell is the last report of the Kansas State Board of Agriculture which shows, young as they are, it is true which shows, young as they are, that 17 counties, mostly of Western Kansas. The wave for distribution, probably through the cere are of flax culture as stated above, is no less than 1,000,000 tons, it is true, lay to do the whole country.

The election of a Democratic Governor than the visit of the Whole country. In the promote of the whole country. In this is true from this paralled to the Medican in Texas, one half waster in Texas, one half and in Kansas. Congressman Ryan, who is now in Washington, and who has been interviewed by a correspondent of the New York Tribune, says: Kansas has produced about 175,000,000 bushels of corn this year. The oat crop, too, is enormous; I never saw such a yield. In fact, all the crops are good. We have had several good years in succession now, and the result is that our people have got clear of debt, and this year will leave them with a nice surplus.

The Carthage, Mo., Banner has had an interviewed by a correspondent of the Namas and the produced about the fields. We have had several good years in succession now, and the result is that our people have got clear of debt, and this year will leave them with a nice surplus.

The Carthage, Mo., Banner has had an interviewed by a correspondent of the Namas (and the result is that our people have got clear of the people have got cl doubling its capacity. I cannot now dwell to enforce my views nor will I name other strong reasons that exist that one opposed to our robber method of

at, adopt a system of rotation of crops. Whenever agriculture has developed out of babyhood, within the limits of civilization, then practice has demonstrated the utility of rotations. Roman agricultural literature is rich in instructions relating to rotations. On the revival of agriculture after the dark ages, rotations ook a high place, and were carried out with much intelligence. Nature most emphatically teaches the utility of rota-tion of crops. Who of us but have ob-served when ground has been cleared of wood, and allowed to foster a new growth, that a different sort replaced the former growth. There can be no doubt that more can be grown on a given acre under a good system of rotation, within a term of years, than under a succession of one crop. In brevity's name I will forbear to name the philosophical rea-sons in favor of rotations, but will recur to the subject, and will endeavor to show a better use for the crops than the put-ting of them on the market, and follow-ing will review briefly the subject of fer-tilization, unless some of your readers desire a more careful review of the sub-itate of the subject of the subject of plant nutrition, with chemicals

and yard manure. Very respectfully, J. W. SANBORN. College Farm, Columbia, 8-4.

The Cattle Pard.

grown cattle, he says, requires a building 80 feet long by 20 wide, and sheds were erected for 300 head—all that were expected to need shelter at one time. Now, however, there are more than 1,000 head in quarantine. On he low price or 10 ledds the planters over \$22,000,000 a ledds the planters over \$22,000,000 a ledds the planters over \$22,000,000 a ledd the planters over \$20,000,000 a ledd the planters over \$20 lishing stations at Portland, Boston, New York and Baltimore. Now that the new appropriations are available, improvements will be made in the stations. The importations of foreign cattle this year are transcending all expecta-

The great bulk of all these animals are undoubtedly Jerseys, Polled, Hereford and Holstein, and purchased abroad at three times the price at which equally well-bred shorthorns can be bought at our own doors, and mostly to gratify the passion for something new.

passion for something new.

There is one saving feature too about it, in the purchase of either of these breeds they are very likely to answer the purpose for which they are de-

The Cattle Commission.

REPORT TO THE TREASURY DEPART-

same feed. Not only is much of the excrement wasted by rains, but it is in itself poorer, the extra food required to keep unsheltered stock warm being absolutely wasted. It has been said that a farm is a permanent investment, that the bottom never falls out of that, and one may securely enjoy it as long as he lives, and how much? As the usual style of leading, fires and crazes the bottom never falls out of that, and one may securely enjoy it as long as he lives, does this cause any detriment or and leave it to his children, knowing that a thousand years hence the soil will still be returning its generous dividends but it is a grand mistake unless we determine to employ on it not only the skill of good farmers but the intelligence st.

Thinking men.

This impossible to tell how much the importation into Great Britation of the importation into Great Britation of additional to the intelligence and a majority of the main and a majority of the and a majority of the and a majority of the inverse of loading upon cars?

Does prodding affect quality and value of loading upon cars?

Does prodding affect quality and value of loading upon cars?

The index of loading upon cars?

Does prodding affect quality and value of loading upon cars?

To be prodding affect quality and value of loading upon cars?

The index Waste? Why we waste our straw, our corn, and corn fodder, and our hay, by leaving the corn in the field and turning in the cattle to help themselves through the cold and storms of winter, expecting them to thrive well and improve, and thus pay us for their cultivation on which we had expended a whole year's efforts. We waste everywhere.

Soil Exhaustion—No. 3.

Assuming that I have at least made it probable that tillage crops sold from the farm are a part of a system of farming best calculated for rapid exhaustion of the soil, I propose to indicate a system of farming best calculated for rapid exhaustion of the soil, I propose to indicate a system of farming best calculated for rapid exhaustion of the soil, I propose to indicate a system of farming best calculated for rapid exhaustion of the soil, I propose to indicate a system of farming and the hurried driving from the farm are a part of a system of farming best calculated for rapid exhaustion of the soil, I propose to indicate a system of farming and the hurried driving from the farm are a part of a system of farming best calculated for rapid exhaustion of the soil, I propose to indicate a system of farming and the hurried driving from the time they leave the pasture until they reach feeding and the hurried driving from the time they leave the pasture until they reach form our report for 1881. Beginning the four shipping and in the course of the mauling to which they are subjected before shipping and in the course of the mauling to which they are subjected before shipping and in the course of the mauling to which they are subjected before shipping and in the course of the animal is depreciated in the course of the mauling to which they are subjected before shipping and in the course of the mauling to which they are subjected before shipping and in the course of the mauling to which they are subjected before shipping and in the course of the mauling to which they are subjected before shipping and in the course of the mauling to which they are subjected before stock yards where cattle are detained for feeding, watering, sale, etc.; all the great feeding stables connected with dis-tilleries, and starch, glucose, and other factories; all city dairies where stock yards exist, and where herds are replen-ished from such stock yards, and to a large exten great dairying districts into which cows are drawn from the above named cows are drawn from the above named stock yards and lines of travel. Up to the present date we have made observation in the stock yards at the seaboard—the terminal end of our cattle traffic, and that to which all infection must gravitate—but apart from imported cases above referred to we have been unable to find a single case of foot and mouth disease complained of " cows are drawn from the above named disease complained of." The Evil of Live Stock Transportation.

The present fashion of transporting live stock is barbarous in the extreme, and if the cruelties perpetrated upon dumb beasts which are to be used as food were known, public sentiment would suppress the whole business in short order. The writer recently saw a live stock train upon one of the trunk lines which made him heart-sick. The cattle were crowded into a car as closecattle were crowded into a car as closely together as they could stand. It was a hot day; all the animals were drip-ping with sweat, and had their tongues out, gasping for breath; some exhausted, had fallen and were lying upon the filthy floor under their fellows. Whenever the train started it jerked them back, and when it stopped it threw them forward. In this way they were to be carried a thousand miles, and when they arrived, bruised, sick and fevered, at their journey's end the survivors were to be butchered to furnish meat for human beings. Humanity revolts at such a cruel barbarism. The method of trans-porting dressed beet in refrigerator cars furnishes a remedy for this crying evil. The old custom must be abrogated, and, though the live stock men for a time can postpone the change, they cannot pre-vent its being ultimately effected. There is no reason why the cattle cannot be is no reason why the cattle cannot be slaughtered near their native ranges, and their carcasses carried in refrigerator cars to the eastern markets. The day is sure to soon come when this will be the only plan in practical use.—Railway Register.

tion for all time to come.

Just when it was supposed that there was no reason for throwing difficulties in the way of importation of American cattle into England comes the news that a severe outbreak of foot and mouth dis-ease has occurred among cattle just ar-rived at Bristol from Canada. This looks

GALLOWAYS FOR HILLHURST.—The steamer Quebec recently took out 100 Galloway bulls, selected by Mr. R. Bone, Great Smeaton, for the Hon. M. H. Cochrane, of Quebec, Canada, Mr. E. J. J. L. Driski Arnold, of Jersey, also sent out in the same vessel from Liverpool, five Jerseys, carefully selected, and pedigree cattle, also for the Hon. M. H. Cochrane.

The Prairie Cattle Company whose stock-holders are mostly foreigners (Scotch) has territory on the Atchison, Topeka & Santa Fe railroad, amounting to 3,500 square miles. It has 22,500 cows on the range and a total of 68,200 cows, bulls and calves.all high graded and val-ued at \$1,705,000. It has other ranges

the purpose for which they are designed. Though therefore many will pay from five hundred to a thousand dollars per head for one or more, and could get a Shorthorn forone-fourth the price, they will by no means throw their money away. There is an outcome to them all.

The following stock was shipped on last Monday and Tuesday from Centralia, Mo.: Wm. Little, two cars of sheep; Wm. R. McBride, four cars of hogs; McBane, two cars of cattle; E. G. Grant, one car load of hogs; Robnett, two cars of cattle. Tuesday night 22 car loads of stock were shipped from Centralia.

Ellis County, Kansas, is becoming noted for its excellence as a place to keep small herds of cattle with large profits, on account of its buffalo grass, water, and mild winters. A Mr. G. R. Craig, a well-known cattle, man properts that in WASHINGTON, Aug. 2.—The Treasury Cattle Commission has made a report to the Treasury Department in regard to the alleged existence of foot and mouth disease among cattle in this country. It says: "Charges having been recently made in the British Parliament that cattle are being shipped from our ports infected with foot and mouth diseases, fected with foot and mouth diseases, fected majority of the House of Commons are received to the profit in many cases shows 25 per cent.

Mr. J. F. Finley, Breckenridge, Mo., the profit in many cases shows 25 per cent.

Mr. J. F. Finey, Dreckeninge, Mo., writes: My purchase of shorthorns through Joseph Scott and H. D. Ayres, arrived home in good shape on the Sthinst. They number ten head in all. In the lot are two years fine Acon. herfers inst. They number ten head in all. In the lot are two very fine Acomi, herfers descended from Mr. George Allen's herd of Knightly Hall, England, the others are of Mr. Bedford's Goodness family. In the lot is 72nd Duke of Goodness, two years old, by the well known 4th Duke of Hilhurst. I consider them an extra good lot of cattle. I have recently sold to Mr. Scott and to Mr. Ayres 33 head from my herd.

from my herd.

Shall the stock grower mature his beef cattle at 24 to 28 months old, or continue the old way of selling at 36 to 40 months old? This is a question not of fancy but one of dollars and cents. How heavy can we make cattle weigh at two years of age? What weight can we make cattle weigh at two years and a half of age? What weight can we make at three years of age? What will it cost us per pound to make beef at these different ages, and which will sell the best at the stock yards either for the block orfor shipment? These are questions worthy of consideration and even of experiment.

In speaking of the Heretords as peeves.

In speaking of the Heretords as beeves, In speaking of the Herefords as beeves, the London Mark Lane Express, in a recent issue, says: "As grass-fed beef, there is nothing coming into London that can touch the Herefords," and that is all it can say after years of beating round the bush and being whipped into the traces by the dogmatic "Bombastes Furioso," T. L. Miller, but that in saying that much it belies its own columns, and intentionally behttles the beeves off which it fed from infancy to dotage, no one conversant with the facts will deny. The question is, has the Shorthorn shown The question is, has the Shorthorn shown that feeding capacity which enables his owner to put him on the market as a matured beef at an earlier age than any other animal on four feet? We submit he has, and the Shorthorns on a tho sand hill in all climes bear evidence the truth of our assertion.

The following number of tat cattle were sold to J. D. Hanna and shipped from here last Saturday: Henry Butler, 33 head, averaging 1208.

Frank Butler, 27 head, averaging 122I,

for \$4.67 1-2. Wm. Jackson, 11 head, averaging 1331, Wallace Bros. 6 head, averaging 1551,

for \$4.80.

The following were shipped from here

Tuesday evening:
Wm. Boshears, 16 head, averaging 1,220, price \$4.75.
James K. Moore, 16 head, averaging 1,290, price, \$5.00. John Ryan, 5 head, averaging 1100,

Sold to H. I. Liter and Wm. Rayland.

- Vandalia (Mo.) Leader.

Verily there is no place like Missouri.

verily there is no place like Missouri.

Flock and Herd Notes.

Fighteen car-loads of cattle were shipped from Plattsburg, Missouri, to Chicago, over the Wabash, Friday, by Newby & Co., and Birch Frost. We hope they struck a good market and made some money.

In noticing the shipment of a lot of eighty-three Aberdeen-Angus cattle, cows and herfers, and yearling bulls for Messrs. Geary Bros., London, Out, the Banffshire Journal, Scotland, says: "This is by far the best they have yet taken away to America. Among them are three animals from the Royal herd at Balmoral."

The capacity of the Great American Balmoral."

The capacity of the Great American Desert to grow beef, if estimated at the low average of twenty steers per square mile of area, will exceed twenty millions of cattle, which will furnish four or five millions a year for the market. What a food-supply! and what a commerce these figures comprise! The plains are the great pasture-fields of the American nation of all time to come.

afford to own his land, and as the pasturage becomes crowded the cattle-owner must move or suffer. Capt. Lee has had to move several times—striking out south as the upper and middle portions of the State became crowded. As the country is to for nothing but grazing there is practically no room for an increase of population. Arizona, Nevada, and Utah are probably as thickly populated as they will be during the present era. There is no rain of any account, and irrigation is no rain of any account, and irrigation is a financial impossibility.'

The German Government has notified the Austrian Government that all pig flesh imported into Germany from Austria must be accompanied by a certificate that it is not American meat

READING, Pa., Aug. 13.—A fatal disease resembling cholera is prevailing among hogs in this county. Some fifty have already died and sixty more are fatally side. tally sick.

From the Dodge City, Kansas Globe, ve have the following items:

Maj. W. A. Towers, recognized in this place as the Governor of "No Man's Land," was in the city Friday and Saturday, and just up from his Beaver creek stock range where he had gone to start a nice bunch of steer cattle for the north. He will depart for the Little Missouri country in a few days where he expects to locate a new stock range for himself

J. L. Driskill and son about 10 days ago passed this place with 2,000 head of yearling steer cattle which they took from their old Cimmarron range and which they are taking to their extensive range on the Little Missouri, Montana. These are all half-breed stock of their These are all half-breed stock of their own raising and very fine cattle. Although but yearlings, they are as large as any through Texans two-year-olds we ever saw. It is a nice lot and will make a valuable acquisition to their northern herd. herd.

Reed, Word & Byler, of the Buffalo Ranch Co., have just started 1,200 head of beef cattle for Fort Reno, which will be turned over to Oburn & Montgomery number makes 2,200 head this firm have thus far started from their extensive range south of here to be delivered to the above named firm, to whom they sold 6,000 head. J. T. Word has just returned from the company's range where he sup-erintended the cutting out of this bunch

Pot

Ατ

-The some se county -A I hog rai hogs th

--The n centu ferson l of the l on the -We into the foot fas

Our la of the o which v tion to. duceme an orga -Encl to the R find it t Crops of will not all kinds dropped it will h -The

far in ea round, c thing, a after all compen -Will lowing q valuable makes t to sow pasture er is bes -Can how I ca

through

correspo me a tigi all surfa able pric -Some out how tend a f ground v he travel travel 100 50 miles: have to t -We un

offered fo which on of raising yet very the yield eral aver with a go awhile ar -The Forbes h some tim turns out has prove

Meromyz

originally and more Riley, in l work at t looked, as base of th -W. H. prietor of a bountif He harves which ave 25 acres o grain. H corn. La acres of t his neigh

say the g

-What dressing l Has he so horns, or Where are suppose h are just th If K. H. A. columns s it is due to herd, I wi Advertise -The qu veights co

to all such

law establ out and p sixty pou fifty-six p meal, fifty barley, fo sweet pot beans, for middlings. sixty; time seed, fifty ghum seed fourteen; forty-six; twenty-for malt, thirt 2000; hemp

ver-prod lers are los having rui Large lots

ogs than wheat.

-- The granite shaft that for more than half --The granite shaft that for more than half a century marked the grave of Thomas Jef-ferson has been given to President S. S. Laws, of the Missouri University, who will place it on the campus of that institution at Colum-

-We have heard of a mule getting his hind

Our last issue contained an advertisement Our last issue contained an advertisement of the celebrated organs manufactured by Daniel F. Beatty, of Washington, New Jersey, which we inadvertently omitted to call atten-tion to. Mayor Beatty is offering special in-ducements to persons intending to purchase

-Enclosed find one dollar for subscription to the RURAL WORLD for the coming year. I find it the most welcome visitor on the farm. Crops of all kinds good except wheat, which will not make seed. Cattle, hogs and stock of all kinds looking well. My mare Daisy O'Neill dropped a fine foal to Monitor June 20—think it will be another Daisy.—J. E. F., Buffalo,

-The farmers of Pike county, and especially of Calumet township, have reason to be grateful that the crop has turned out so well, being far in excess of expectation. Take the crops round, corn, wheat, oats, hay, tobacco, every-thing, and this has not been so bad a season after all. There seems always to be some compensation to labor in the grand fruition

-Will you be so kind as to answer the fol lowing questions through the columns of your valuable paper. 1. What kind of clover makes the best pasture for hogs. 2. Will it do to sow it in the spring with oats and then pasture the oats off with hogs?—M. R., Jasper Co., Mo., Aug. 10, 1883..... REPLY. Red clover is best. You can sow it in spring with oats and pasture hogs on the oats.

-Can you, or any of your readers tell me how I can make a tight eistern in wet ground where a small vein of hard water seaps through continually? If you will put me in correspondence with a party that will make me a tight cistern and guarantee it to hold all surface water out; I will pay any reasonable price. By putting the above in your weekly, you will greatly oblige-Yours respectfully, J. W. M., Marshall, Mo.

. —Some one has taken the trouble to find out how far a farmer must walk to put in and tend a forty acres of corn. To plow the ground with a sixteen-inch three-horse plow, he travels 350 miles; to harrow the ground thoroughly before planting, he will have to travel 100 miles; to plant the same, he travels 50 miles; to cultivate it three times, he will have to travel 300-making a total of 700 miles, besides the gathering.

-We understand that only 16 cents is being offered for oats in some parts of the county, which on an average will not pay the expense of raising. The outcome of the corn crop is yet very doubtful with the probabilities of the yield of the States falling below the general average. Oats will surely bring 20 cents with a good corn crop and much more if the corn is short; so, we say hold on to your oats, awhile anyhow.

-The new wheat bulb-worm which Prof. Forbes has been studying and of which he some time since sent out a circular account. some time since sent out a circular account, turns out, we learn, to be an old enemy. It has proved by breeding to be the American Meromyza (Meromyza Americana—Fitch) originally described by the late Dr. Fitch, and more fully treated of and figured by Prof. Riley, in his first Missouri report, in 1868. Its work at the base of the stalk has been overwork at the base of the stalk has been overlooked, as it is more commonly found at the

-What has become of K. H. Allen? Addressing him at O'Fallon, brings no reply. Has he sold all of his thoroughbred Shorthorns, or is he just breeding up a fancy herd? Where are the Laura's for a show herd, and

Shotgun and Fish-Hook.

The New York Forest and Stream, which is a large weekly journal devoted to shooting and fishing, has just been reviewing the growth of se pastimes in America during the last ten years of the paper's publication. The editor claims that anglers and hunters have increas-ed in ratio almost incredible to those who —We have heard of a mule getting his hind foot in the stirrup as if he meant to mount into the saddle, but now comes the news of a horse at Griggsville, Ill., that got his hind foot fastin his mouth, requiring several men foot fastin his mouth, requiring several men is no longer an indication of shiftlessness. The Forest and Stream says that its correspondents and contributors are largely distributed among the professions. Clergymen, lawyers, physicians, editors, teachers, business men, farmers, and, in fact, all classes of the intel-ligent and industrious workers of the day, are falling into the very commendable cus tom of taking a week or two off in the woods every summer. Game and fish are not so plentiful as they were; but the *Forest and* Stream maintains that with a wise protection in its breeding seasons the game may be preserved in fair abundance for many years to come. The editor believes in strict enforcement of the trespass laws, and says that well-behaved sportsmen will never find any trouble in getting permission to shoot and fish; while the rufflans with shotguns ought to be and with strict trespass laws would be, sup-pressed. That strikes us as being rather sen-

Missouri Fairs.

Missouri Fairs.

St. Louis, October 1, six days.
Jefferson City, August 14, six days.
Brownsville, August 20, five days.
Fulton, August 21, five days.
Maryville, August 27, six days.
Platte City, August 28, five days.
Platte City, August 28, five days.
St. Clair, August 28, five days.
Higginsville, August 28, five days.
Kahoka, September 2, six days.
St. Joseph, September 3, six days.
Marshall, September 4, five days.
Sedalia, September 4, five days.
Selbina, September 4, five days.
Herman, September 4, five days.
Herman, September 14, four days.
Herman, September 14, five days.
Marshall, September 16, five days.
Marshall, September 16, five days.
Marshall, September 16, five days.
Marshall, September 17, six days.
Appleton City, September 16, four days,
Washington, September 17, six days.
Paris, September 18, five days.
Mexico, September 18, five days.
Mexico, September 18, five days.
Mexico, September 18, five days.
Columbia, September 25, five days.
Cape Girardeau, October 9, five days.
Palmyra, October 9, five days.
Palmyra, October 9, five days.
Pleasant Hill, October 9, four days.
Hamilton, August 28, four days.
Bethany, September 11, four days.
Bethany Reptember 11, four fays.

to hear from the Secretary.

to hear from the Secretary.

OTHER ADJACENT FAIRS.

Jerseyville, Illinois, October 9, five days.
Belleville, Illinois, October, 9, five days.
Belleville, Illinois, October, 9, five days.
Ottumwa, Iowa, August 20, five days.
Judsonia, Arkansas, October 10, four days.
LOUISVILLE, Aug. 14.—The Louisville Fair
association will hold their fail meeting from the 18th to the 22d. The Southern exposition managers have passed a resolution making fair week "Kentucky week," and five days of the fair will be largely devoted to the interests of a live sto :k exhibition of horses and cattle. It will be made equal to that of the great Louisville fair of 1881, when two million dollars' worth of stock were assembled on the grounds. Inquiries for cattle and horses have come repeatedly from the West and Southwest, and stock men will be here in large numbers to see and purchase.



A Couple of Illinois Breeding Farms.

land is sure to produce crops in seasons of drouth, or when there is too much rain for

Dictator as a Sire.

Dictator is making his mark as a breeder of trotters. He is owned by Col. Richard West, of Kentucky. He is full brother to the renowned Dexter, is 15% hands high, has short legs but good bone and plenty of muscle, is deep through the chest and shows individuality and constitutional strength. He is about twenty years old and since such horses that have been sired by him as Jay-Eye-See, Director, Code, Phallas, etc., have made the fast records they have, his services have come largely in demand and some of the best brood mares of the country have been bred to him the past season. He is showing his age somewhat by the sinking in of the back, but if judiciously used has many years of service yet. His blood is well worth perpetuating.

A Horse Choked by a Snake.

Superintendant Lyon, of the Barclay Coal Mines, was in the city Wednesday and told an American reporter the following snake story, the authenticity of which, he said, could be vouched for by several reliable citizens. "On Tuesday last a boy was en-gaged in ploughing on the farm of a man named Wikinson, between Green wood and named Wilkinson, between Green wood and Monrocton, in Bradford County, when he sawan enormous blacksnake lying stretched along on the ground near the fence. Fright. ened by the reptile the boy dropped the line and started on a run for the house. Rein-forced here by several members of the family he went back, when one of the horses was found lying on the ground with the python tightly coiled about his neck. The snake was despatched, when it was found that the horse was dead, his life having been choked out by the snake."—Elmira Advertiser.

Gifford or Justin Morgan Horses.

EDITOR RURAL WORLD: Some months since you published an article from "L," a correspondent, relating to a "Justin" Morgan stal-lion. I am anxious to learn who breeds or imports either the "Gifford" or Justin Morgan horses in your State or in Illinois. Any information would be very acceptable.

Yours, etc., BURDETT.

The fact is, I should like to secure some of the breed, of the "Gifford" horse especially, and if you have no knowledge of a breeder, the above might bring some one to the front if you could give it space, and oblige a sub

Jay Eye See has not only the best 4, but the best 5-year old record. His 2:16'4 at Cleveland last Friday eclipsed Santa Claus' time 2% seconds, which has stood for the best at that age since 1879.

The pool-selling at the recent Pittsburg trotting meeting was said to be greater than ever before in the history of trotting meetings—first day, \$53,000; second [day, \$71,000; third day, \$93,000; fourth day, \$65,000; total, \$280,000. Edwin Thorne, St. Julien, Trinket and Fanny Witherspoon were paid \$200 a piece for simply walking up and down the stretch in front of the grand stand at Pittsburg. They were to trot for a special purse but the track

was too heavy. James A. Dustin, of Chicago, has purchased James A. Dustin, of Chicago, has purchased from James Longshore the 4 year old grey colt Billy Clinker by Clinker, dam Belton Maid, that trotted so well in the 4 year old race at Chicago on the 14th, the price paid being \$3000. Dr. Lucas, for whom the colt was bought will trothim. This is a Missouri raised horse. He showed a mile the day he was bought in 24th. was bought in 2.24 %.

Some good horses are addicted to stumbling while walking or moving in a slow trot.

A well versed veterinarian states that there are two causes that would tend to produce the ALTHY, HARDY, VIGOROUS, are two causes that would tend to produce this faulty action—one a general weakness in the muscular system, such as would be noticed in a tired horse; the other, a weakness in the extensor muscles of the leg, brought the extensor muscles of the leg, brought at the control of Last week we visited the stock farm of A.

—W. H. Davis, the former editor and proprietor of the Henry Co., Mo., Democrat, has spring one pears of outs, which averaged 40 to 50 bushels per acre. His 25 acres of wheat was finely headed and heavy grain. His broom corn crop of 30 acres promises a fine yield. He has 50 acres of good corn. Last spring one year ago he sowed 30 acres of timothy and red clover, and some of his neighbors who have walked through it specified to the solution of the three tons per solution of the three tons per solution of the three tons per solution of the Henry Co., Mo., Democrat, has spring one year ago he sowed 30 acres of outs, which averaged 40 to 50 bushels per acre. The expense of underdraining in a single year.

The expense of underdraining, Mr. Barnes are soft timothy and red clover, and some of the phase of the top joint.

Last week we visited the stock farm of A. C. Barnes, at Taylorville, III. The farm consists of a thousand acres and is highly productive. Some of it has been underdrained and the increased yield pays a large interest about by carrying too much weight at the toe. To effect a cure he adds, lighten the weight of each front shoe about four ounces; the other, a weakness in the extensor muscles of the leg. brought and never drops, cracks or shrivels. Bunches along the muscular system, such as would be noticed in a tired loorse; the other, a weakness in the extensor muscles of the leg. brought and never drops, cracks or shrivels. Bunches along the muscular system, such as would be noticed in a tired loorse; the other, a weakness in the extensor muscles of the leg. brought and never drops, cracks or shrivels. Bunches the extensor muscles of the leg. brought and never drops, cracks or shrivels. Bunches the extensor muscles of the s but the tile is manufactured in Taylorville, and the cost of transportation is saved. The time is coming when the larger portion of the land of Illinois will be underdrained as land of Illinois will be underdrained, as such this week for about an hour twice a day. When you commence driving again omit the slow jog, either walk or send him along at a sharp trot for a mile or two, then walk a way,

avertise.—M. Davis.

The question is repeatedly asked what weights constitutes a bushel, and in answer to all such interrogatories, we publish the law established in Missouri for the weights of produce, and would recommend to our readers interested in such matters, to cut this out and preserve it for reference: Wheat, stay pounds; corn on ear, seventy; corn meal, fifty; rep, fifty; rep, fifty; leans, sixty; castor beans, forty-isix; bran, twenty; shorts, thirty-two, barley, forty-eight; Irish potatoes, sixty; castor, forty-form, and forty-form.

The question is repeatedly asked what weights of produce, and would recommend to our readers interested in such matters, to cut this out and preserve it for reference: Wheat, stay pounds; corn on ear, seventy; corn meal, fifty; rep, fifty; leans, sixty; castor beans, forty-isix; bran, twenty; shorts, thirty-two, barley, forty-eight; Irish potatoes, sixty; castor beans, forty-isix; bran, twenty; shorts, thirty; won fifty; rep, fifty; leans, sixty; castor beans, forty-isix; bran, twenty; shorts, thirty; won and fings, forty; hominy, sixty; castor, forty-form, and fifty; rep, fifty; leans, sixty; castor, and produced in the constitutes and produced in the constitutes and produced in the constitute of the medical firm, and we hope in the constitute of the medical form would have been called form would have been called form would have mede but seven seasons. In that time he sired seven horses in the 230 to the the constitute of the medical form would have mede but seven seasons. In that time he sired seven horses in the 230 to the thorse of the medical form would have made but seven seasons. In that time he sired seven horses in the 230 to the medical form would have made but seven seasons. In t

bond for another term. But the revenue department is charging to the shippers all the extra incurred by this new mode of proceed up. Over one million gallons are now in blard to beat. He is by Belmont, dam by Alexander's Abdallah. We saw a number of his coits and fillies, and they all showed subtons as ymore than were ever raised in Adair county before.

—A number of Ralls county's prominent farmers have expressed their intention to devote the most of their time in the future to thor graising, thinking there is more money in hogs than wheat.

bond for another term. But the revenue dehorses. His trotting stallion, Bonnycastle, is highly bred, and for perfection of form and suphred Diomed, Asserting the part of many bred, and for perfection of form a daughter of Mambrino (2.215). Almont, the last of the four, was defined and into the bred their object returns the part of hiard trotted and some say more than the publi ples, by Wagner, by Sir Charles, by Sir Archy by imported Diomed, has produced six with by imported Diomed, has produced six with records of 2.30 or better, and Major Edsall, foaled in 1859, whose dam came from Vermont being represented as by Harris Hambleton-ian, has one representative, Robert McGregor (2.18), making the total number of 2.30 trotters by sons of Alexander's Abdallah at the clos of last season forty-five, ten of which had won in 2.20 or better. Twenty of the forty-five, nearly one-half, were the get of Almont, which shows conclusively that he must have either been favored with a better class of mares than the others, or received from the Pilot Jr. cross a stronger trotting inheritance than is possessed by any other son of Alexan-der's Abdallah. Doubtless many well inform-ed horsemen will attribute his success to the latter, and as the Pilot Jr. cross is found in Maud S. (2.1014), the fastest trotter that has yet appeared in public, also in Jay-Eye-See (2.1514), the fastest son of Dictator, and in Nutwood (2.18%), the fastest son of Belmont, as well as many other first-class trotters, it would seem that they had good grounds upon which to found such belief.—Am. Cultivator. Stallions now living with records of 2:20 or

> Jerome Eddy
> 2:1632
>
>
> Director
> 2:17
>
>
> Piedmont
> 2:1734
> Black Cloud..... 2:17 Alexander.....2:19 Von Arnim.....2:193 The trotters who have made 2:20 or better this season are:
> Jay Eye See...... Phallas.....2:1534 Clemme G2:185

Phallas.....2:155

better, are:

Overman.....2:19 R. C. Pate, St. Louis, Mo., has sold the fol

owing trotting stock: To George Voorheis, Detroit, Mich, the To George voorness, Detroit, Alich, the bay mare Rigolette 2:29½ by Exchequer, dam said to be by John C. Breekenridge \$4,000 To E. Bither, of Racine, Wis., the filly Lucille Sprague by Gov. Sprague, dam Lucille by Exchequer. 1,500 To Mr. Disston, Philadelphia, Pa., the bay mare Lady Thorne, Jr., record 2:25½, by Durlbay. 2,000

bay mare Lady Thorne, Jr., record 2:25½, by Darlbay.
To Robert Furrell, Maysville, Mo., Bob Wilkes, 6 years old, by George Wilkes, dam by Woburn.
Faul Hacke, the owner of the stallion quesne, states that he was offered \$40,00 the horse, but he valued him at a h

It is stated as a fact for farmers that It is stated as a fact for farmers that the seed of the sunflower is the only remedy ever discovered for the cure of founder in horses. Immediately on discovering that young horses are foundered, work about a pint of the whole seed into his feed, and it will effect a complete cure. This is going the rounds, and though unknown as a specific to us is given here for what it is worth.

Remarkable Testimonials!

on L. A. Knight's Asthma and Hay Fe ver Cure. Price per bottle one dollar.

out and preserve it for reference: Wheat, sixty pounds to the bushel; shelled corn, fifty-six pounds; corn on ear, seventy; corn haddings, forty-eight; Irish potatoes, sixty; though seed, forty-six; bran, twenty; shorts, thirty-modalings, forty-six; bran, twenty; shorts, thirty-modalings, forty-six; bran, twenty; shorts, thirty-modalings, forty-six; bran, twenty; shorts, thirty-seed, forty-five; hempsed, forty-four; flax seed, fifty-six; so-go four seed, fity-six; so-go four seed, fity-six; so-go four seed, fity-six; so-go four seed, fity-six; possible seed, fifty-six; possible seed, fity-six; po

BREEDERS' DIRECTORY.

JAMES W. JUDY, Tallula, Menard county, Ills., live stock auctioneer. Sales made in all parts of the country. Refers to any breeder in the west.

PHIL. C. KIDD, Lexington, Ky., live stock auctioneer. Sales promptly attended to in all parts of the country. Correspondence solicited.

L. P. MUIR, Chicago, Ill., live stock auction-eer. Sales made in any part of the United states or Canada. All correspondence prompt-ly answered.

COL. JOHN SCOTT, Nevada, Iowa, live stock auctioneer. Sales made in all parts of the country, at reasonable rates. Correspond-ence solicited.

H. B. SCOTT, Sedalia, Mo., breeder of Short Horn Cattle, Poland China Hogs and Cotswold Sheep. Anything in the herd for

J. W. BLACKFORD, Bonaparte, Iowa, Breed-china Swine of best strains. Correspondence invited. Prices reasonable. Satisfaction guar-anteed.

J. BAKER SAPP, Columbia, Mo., breeds quality. Imported stock at head of herd. Catalogue and price list free.

JERSEY RED HOGS and Spanish and American Merino Sheep, bred and for sale by J. N. Rozelle, Breckenridge. Mo. HEREFORD AND ABERDEEN ANGUS

and breeders, Independence, Mo. An inspection of their herds is invited. SHORTHORN CATTLE.—J. F. Finley, Breck-enridge, Mo., breeder of Shorthorn Cattle and Berkshire Swine. Imported Kirklev-ington Lad at head of herd. Stock for sale at all times.

KANSAS SHORTHORN CATTLE—Robert Patton, M. D., Hamlin, Kansas, breeder of Shorthorn Cattle of the best families. Stock for sale. Inspection invited.

JAMES H. PARKER, Columbia, Mo., breeder of Shorthorn cattle, Southdown and Cots-O of Shorthorn cattle, Southdown and Cotswold sheep. Grand Duke of Sharon 29739 at head of herd. Prices reasonable.

A NGUS AND GALLOWAY CATTLE-W. H. A and A. Leonard, Mount Leonard, Mo., importers and breeders of Angus and Galloway cattle and Spanish and native Jacks.

D. W. McQUITTY, breeder of Merino sheep, Rocheport, Mo. Has 400 rams ready for this year's service. CHARLES E. LEONARD, proprietor Ravenswood herd of Shorthorn Cattle, imported Spanish Jacks and Jennets and Merino Sheep, Bell Air, Cooper Co., Mo., or Princetou, Mo. P. R. R.

HIGH CLASS BATES CATTLE, bred and for sale by M. W. Anderson, Independence, Mo. Craggs, Barringtons, Harts, Places Acombs, &c. Kirklevington Duke 2d 32980 at head of herd.

W. H. & THOS. C. EVANS, Sedalia, Mo., shire Hogs. Bronze Turkeys, Plymouth Rock Chickens and Pekin Ducks.

R. W. GENTRY, Sedaha, Mo., breeds and largest size and best quality. Rams and ewes always for sale at prices as low as the lowest.

T. C. LIPPITT, Shenandoah, Iowa, breeder of and dealer in American Merino sheep. Size, constitution and amount of cleansed wool a specialty. Stock rams for sale. WILL R. KING, Peabody, Marshall, Saline
Co., Mo., breeder of Short-horn cattle
and Cotswold sheep. Grand Airdrig No. 889
S. H. R. a Renick Rose of Sharon at head of
herd. Good stock for sale.

L. PALMER, Sturgeon, Boon County, Mo., sale. Fifth Duke of Acklem (Rose of Sharon) and Commander (pure) Booth at head of herd.

SAMUEL JEWETT, Independence, Mo., importer and breeder of registered American Merino sheep. Satisfaction guaranteed to parchasers.

MERINO SHEEP-H. V. Pugsley, Platts-burg, Clinton county, Mo., breeder of registered Merino sheep. Stubby 440 stands at head of flock. Call or write.

C. PEW, Prairieville, Pike county, Mo No. importer and breeder of Cotswold and Shropshire sheep. Ewes and rams of all ages for sale. Correspondence solicited.

P. S. ALEXANDER, Lone Jack, Mo., im-porter and breeder of Cotswold sheep. Satisfac on guaranteed. Call or write.

R. T. McCULLY & BRO., Lees Summit, Mo., breeders and importers of thoroughbred Merino sheep of the very best strains. Prices reasonable and satisfaction guaranteed.

J. BELL & SON, Summerville, Texas coun ty, Mo., breeders of pure Spanish Merine sheep. Choice ewes and rams at wholesale and retail.

B. BOTHWELL, Breckenridge, Caldwell County, Mo., breeder of Merino sheep. 7,000 to select from. Call or write. Prices reasonable.

JOS. E. MILLER, Ellwood Stock Farm, Believille, Ill., breeder of Holstein cattle, Shropshire sheep and Yorkshire swine.

CHAS. F. MILL'S, Springfield, Ills., importer and breeder of Clydesdale horses, Jersey cattle, Cotswold sheep and Berkshire swine. Purity of blood and reasonable prices guaran-teed.

CHESTER WHITE HOGS. H. W. Tonkins, Fenton, St. Louis County, Mo., breeder of improved Chester White pigs. Stock for sale at reasonable prices. Ship from St. Louis.

D.R. H. B. BUTTS, Louisiana, Pike county, Mo., breeder of Jersey cattle. Fifty head to select from. Send for catalogue. Also Bremen geese and Plymouth Rock fowls.

D.R. ABRAM NEFF, Arrow Rock, Saline county, Mo., breeder of Short-horn cat-tle. Ornanthe Duke at head of herd. Corres-pondence solicited.

CHENAULT TODD, Fayette, Mo., Breeder of Short-Horn Cattle, Cotswold Sheep. Sharon Geneva 10497 at the head of herd. Young bulls for sale.

H. V. P. BLOCK, Aberdeen Farm, Pike Co., Percherons by imported Napoleon Bonaparte and Bismarck, Champion Almack Trotters, pure Jerseys, grade Jerseys (milk cows), white Yorkshire and Berkshire pigs. Send for catalogue. Address Prairiesville or Louisiana, Mo. iana, Mo.

SETH WARD & SON, Westport, Mo., breeders of the best families—Airdrie Duchesses, Fletchers, Barringtons, Kirklevingtons, Wild Eyes, Roan Duchesses, Hudson Duchesses, Constances, Minas, Hilpas, Darlingtons, Craggs, Rose of Sharons, Vellums, Mazurkas, Miss Wileys, Barmpton Roses, Young Marys. Oxford of Vinewood 3d, 33427, at head of herd. Young stock for sale

W. ASHBY, Locust Grove Herd, Calhoun largest and best quality. Stock for sale Correspondence solicited.

HERMAN ROESCH, St. Louis, Mo., Bird Fancier and Pet stock Breeder, will buy, sell and exchange High-class Ponitry, Pigeons and pet stock. Has for sale: Dogs, Rabits, Guinea-pigs, Ferrets, Maltese cats, Canaries, Red-birds, Mocking-birds. Eggs for hatching from 20 varieties of land and water fowls. Send stamp for price list.

PURE BRED YORKSHIRE PIGS. Crossed Yorkshire and Berkshire, and cross d Yorkshire and Chester (the best cross) fo ale. Send for prices. J. H. PARSONS, Foristell, St. Charles Co., Mo.

RUSSELL & AKERS (Successors to H.H.Russell)
Warrensburg, Mo., breeders of
thoroughbred Poland China Swine. Herd all
recorded in A. P. C. Record. Stock warranted as represented. Special rates by express,
C orrespondence solicited.

PUBLIC SALE

FRIESIAN CATTLE.

THE UNADILLA VALLEY Stock Breeders' Association WILL SELL AT

PUBLIC AUCTION, August 22, 1883,

Seventy-five head of imported Friesian heifters on their quarantine grounds upon the farm of S. Hoxie, near Whitestown, New York, three miles west of Utica, situated on the N. Y. C. & H. R. R. These cattle were selected from the best herds of Friesland with especial view to their milking qualities which is demonstrated by their excellent handling, fine escutcheons, and beautiful forms. They are all registered in the 3d Vol. of the Dutch Friesian Herd Book. Their pedigrees are guaranteed under the official seal of the European Herd Book Association. Street cars running from Utica pass the grounds every 20 minutes. Send for Catalogue. Col. J. W. JUDY, Tallula, Ill.,

H. LANGWORTHY, Ag't, West Edmeston, N. Y.

JERSEY CATTLE.

I have one of the largest herds in the country composed of the choicest and most fash-tonable strains, all registered in the A. J. C. C. Herd Register. Young bulls cheap. York shire pigs. R. R. FÖSTER, St. Louis, Mo.



White, Berkshire and Poland China Pigs & fine Setter Dogs, ScotchColies and FoxHounds, bred by ALEX. PEOPLES, West Chester, Chester Co., Pa. Send stamp for circular and price list.

The Standard Bred Trotting Stallion, MONITOR (1327) fooled 1877, color black, 16 hands high, he by Merchaut (5839), he by Alexander's Beimont (64), both their dams by Mambrino Chiet (11); dam Trojana by Trojan (312), he by Flying Cloud's dam by Andrew Jackson (4), Trojan's dam by Abdailah (1), the sire of Rysdyk's Hambletonian (10), stands at the stables of the Colman Nursery Co., on the Olive Street road five miles west of the St. Louis city court house He is descended from the best trotting families on the side of both sire and dam, and is tast and level-headed. He won a \$2,000 match race when three years old, within sixty days after having his first harness put upon him, over C. L. Hunt's Cash Bo—Cobble distancing him the first heat. Terms, \$25 in advance. Pastuage for mares from a distance \$1.50 per week. The Standard Bred Trotting Stallion.



Plymouth Rock fowls a specialty. Stock procured from the best breeders in the United States, and not confined in yards, but have unlamited range. Fowls are vigorous and healthy. Eggs carefully packed for setting—shipping safely any distance—at \$2 for thir teen. Fowls for sale—send for circular. Address

COLMAN'S RURAL WORLD, St. Louis, Mo.

TICKNOR & CO.,

The well-known Merchant Tailors of St. Lou-is (established in 1857), will upon request send free by mail a full line of samples of piece goods, their rules for self-measurer prices, etc., thus enabling you to order them clothing of late styles and perfect fit.

THE FAVORITE



HAY PRESS Will bale 6 to 8 tons per day. Load 10 to 12 tons in a car. Easiest working Press for 2 men

and I boy. This guaranteed. KAPPE & BAAB, Manufacturers, Belleville, Iil. SEED WHETER.

THE BAUR MERCANTILE COMPANY of St. Louis offer for sale Double Cleaned New Strict-ly Fancy Winter Wheat of the FULTZ and HARD RED varieties in lots to suit at \$1.25 per bushel, sacks and cartage extra, and FANCY MEIDTERRANEAN at \$1.30, sacks and cartage extra, these are present prices and will be subject to market changes. Money must accompany orders for lots of 50 sacks or less, on larger orders we will make sight draft with bill of lading attached, where references are satisfactory. We refer to any of the banks and commercial houses of St. Louis. Address

Louis. Address
BAUR MERCANTILE COMPANY,
907 South Second St., St. Louis, Mo.



RUBBER ROOFING Costs only \$3.25 per square, lox10 feet, and will last a lifetime on steep or flat roofs. Send for Book Circular, with references and samples, free. INDIANA PAINT & ROOFING CO., In-dianapolis, Ind., and 155 Buane St., New York

DRAIN TILE

MACHINES,
By CHANDLER & TAYLOR,
Indianapolis, Ind. By CHANDLER & TAYLO For Catalogues

st and cheapest Cane Mills and Evapo THORNLEY & OTT,
LaCrosse, Wis.

331, 551, iere 1,ging 100.

and.

ad

rds

nt?

lon hat

ns, off

his

to

ttle

221.

ouri. ead-dant into then tate, apt. free the bare

good can stur-wner had outh f the oputhey ere is on is

tified

re fa-

Globe.

n this Man's I Sat-creek tart a north. took e and ensive

their rthern Buffalo

o head the will comery This have tensive i to the turned

Che Home Circle.

A POEM

TO REV. GEO. A. WATSON.

em was too erudite, for me, Too full of vague and doubtful mystery; With sandwiches of awful "a"s and "b"s Solemnly parenthesised-your please?

I'm never "meek of mien," nor perfect any

way, I'm just a naughty girl, quite prone to say "Such shocking things," that grandmas, as

Eschew, and call me "saucy little fool."

O, awful learn'd and reverend mister! I Must from such deeply hidden knowledge fly Such caves of wisdom I never could explore ould get lost, and ne'er see daylight more

I beg your gracious pardon for the line That brought me 'neath those blazing eyes

To scorch a body with poetic fire Is worse, methinks, than striking ancient

Does anybody see the pun?

A MODEL GARDENER

Bill Hedger was a gardener Who earned his daily meat By toiling zealously all day— His zeal was hard to beat.

lyre.

He was a man of tender parts, And thoughtful for his years-His eyes would fill with tears.

He was so pitiful and kind He dread to cut his lawn; But tho' he'd never shock his friends, He'd often shock his corn.

A score of carrots oft he'd give Such gems of charity are rare-Full twenty carats fine.

His wretched horse could hardly creep, Bill propped him while he grazed; He said he'd have a better steed When his celery was raised.

He'd sometimes cauliflower to him When he had done his work-He loved it stewed in buttermilk, Or boiled with greens and pork.

But death at last mowed William down, And they planted him in loam, And gave him for his epitaph—

"He found sweet pease at home THE JUDGE.

A Little Maiden From the Hills.

Dear Circle: Seeing so many were absent for the last two or three weeks I, another stranger, timidly write a little letter for the Circle. Oh yes, I suppose I must tell you I am a country maiden, and can milk, churn, wash, iron, and so on. Now please, Bon Ami, do not criticise or scare me to death, for I do not care to die as yet, and will not write a very long letter, and hope the Circle will overlook my mistakes.

What has become of Idyll, May Myrtle, Fannie Frost, Paulus, and ever so many more? Now we miss you every one, why do you not visit us oftener? Bon Ami, from Fannie Frost's last letter, it looks like she has a bad opinion of you. Fannie, if Bon Ami criticises me too much, won't you help me to give him a right good tongue lashing? A'though he said he would rather kiss you than 'fuss' with you, now please do not say you won't help me! Well I am in a hurry, so if Bon Ami will promise not to criticise and scare me to death, and the Circle will allow me, I will call again. I have only one foot on the threshold. But by the answer of my above question I will come again. May I come? Adieu.

MARY GLENDOLEN. August 8th, 1888.

Winter Comes Again, But Fresh and Blooming as Early Spring.

want a description of me, so you can tell who I am when you meet me, this fall, at the St. Louis fair, don't you? Did you ever read Hood's "Lost Heir?" If you did, look for just such a face among the crowd; and when you see it, go and kiss crowd; and when you see it, for it will be mine, sure.

Rev. Geo. Watson will read the poem soon, dedicated to him, and I want the rest of you to read it, for mother, and Jack, and Faye, and all of our folks think it is just too splendid for anything, and lots better than Idyll's or May Myrtle's

it is just too splendid for anything, and look best. May Myrtle's pool of the same attire. You have been many lines with the Home Circle in trousers, which will be small around and look on, if they want to make in else bisent—the rest may stand around and look on, if they want to make in else bisent—the rest may stand around and look on, if they want to make in else bisent—the rest may stand around and look on, if they want to make in else bisent—the rest may stand around and look on, if they want to make in else bisent—the rest may stand around and look on, if they want to make some great part of the careful pour the stand stream of the careful pour the stand stream of the careful pour is in the tray (not all over the floor), flour into the tray (not all over the floor), flour into the tray (not all over the floor), flour into the tray (not all over the floor) in

them half an inch thick) and bake on butter pans, in a moderately hot oven; bake a nice brown, and then split them open, spread them with any kind of nice, ripe berries, crushed, with plenty of sugar, (strawberries, or raspberries are sugar, (strawbernes, or hispotenes are best,) and you will have a good dish, fit for the gods, or anybody else. They are very nice without the berries. I forgot one important item, pin a clean towel over your hair, a la Aunt Chioe; then fear. Now, Mr. Bon Ami, you can't say that I have not made a fair return for those precious frost-bites which you so

over his own signature, that he don't like the Home Circle; isn't it just too awfully dreadful to talk about? I suppose he don't like his home, nor his wife, nor children, if he has any, which, for their sakes, I hope he hasn't; but he needn't go around, publishing his hard-hearted-ness to the world, hateful old mummy! Every gentleman. of my acquaintance, just dotes on the Home Circle, and says just dofes on the Home Circle, and says it is ever, and ever so nice—most as entertaining as a tea-party, or a sewing circle. Mr. Patrick, if you don't like American ways, you can just go back to Ireland, may be you could manage to get into an English prison, I guess that would be gloomy enough for you. I shall have to stop writing, or I shall say something awful to that horrid old man. Yours indignantly.

Yours indignantly, FANNY FROST.

A Good Name Libelled.

MY DEAR HOME CIRCLE: I have an the obstinate futility of presuming adequately to delineate the remarkable depth and intensity of my salient emotions engendered on the important occaadmission into your renowned union, ball, and anticipating the luxury of associating harmoniously with the sagacious literary characters which adorn the Circle with the immense profundity of their acumen—in short, this inchoate task has produced in the vicinage of my cardiac rest for body and soul, and consistently acumen—in short, this inchoate task has produced in the vicinage of my cardiac region the most unqualified of delectable

undersigned to dissipate the happy sunshine which permeates the Circle, by a desultory introduction of ideas calculated to provoke dissenting attitudes.

sourcity of readily apprehensible thoughts in a newspaper letter, (as you must be constrained to acknowledge) ostensibly minifies the hazard of prompting polemical dissensions, hence the brevity of this article and its general confinement to axiomatic observations.

It will evidently grieve you to learn that I am suffering from a diabolical dis-ease, and have to write in a recumbent position. Your prayerful friend, WILKINS MICAWBER.

Now, any one acquainted with the late Mr. Micawber will agree with us that the above is a libel on his good name and tres, but a person might think and character. Verily are we tempted to say to the writer as another Micawber said of Gladstone on one occasion, "He is a sophisticated rhetorician, inebriated Guyot, Paulus, and all other of the gladitorial writers to the Home Circle.

Now the Feathers Will Fly.

EDITOR WORLD: Do please stop all occupying shady ground for several

you ought to be for such an addition to your staff. Poor old maid, I pity you in your sorrow, if in truth you are an old maid and not an alias. I have ever had a warm place in my heart for the distressed. Fairy Frost, South West Missouri or Northwest Arkansas is a good place to go. Floe you come dancing into the Circle like a new recruit, but I am in doubt as to your sex. I certainly see a doubt as to your sex, I certainly see a wolf's ears protruding above that innocent looking lambskin, or I, may I see those ponderous boots just below your skirts. A greater man than you are, was several years ago picked up in the same attire. You have been many times with the Home Circle in trousers.

he preferred that I should write to the Horticultural Department, that my articles were extensively copied by other journals of the country; and he might have said, and doubtless thought, it would be a step downward, to be seen in company with Guyott and his aliases.

Uncle John, come into our Circle again. Your article in the Horticultural Department in the last RURAL is good.

el Department in the last RURAL is good. one important item, pin a clean tower by our hair, a ia Aunt Chioe; then I agree with you entirely as to varieties, you can summon your sweetest sweet strawberries, etc. Come into the Circle heart to partake of those biscuit without mose precious frost-bites which you so generously torgave.

But, right here, I wish to ask the members of the Circle if they observed the frightful audacity of that horrid man, Patrick, who dares to say, over his own signature, that he don't like the Home Circle is the signature. weekly visitor in my house for more than lifteen years, and you, I am sure, are one

Circle any longer.

I mean to visit the Home Circle more frequently than I have the past six months, and whenever opportunity offers, I will lash the Texas cow boys and their aliases both fore and aft. JOSIAH.

Sunday Amusements, Abuses, Observance and Laws.

! CONCLUDED. |

In the discussion of the Sunday question, we have at last reached the much differ and dispute about various subjects mooted, vexed, and tortured topic of that naturally enough come up in the Sunday Amusements. Are any amusements allowed on Sunday? Some say ues, and some say no, and others sanction such amusements, or relaxation, or in the number of July 5th, thinks Frank's state of repose, as are not within the reach of society at large.

Those who allow amusements on Sunday, maintain, that after having devoted a reasonable portion of the day to reliexquisite and unerring consciousness of gious exercises, which are expressly directed to the public and divine worship of Almighty God, that then they may innocently pass other portions of the letter or any other, but are deeply in day in amusement and relaxation, and earnest in what we write about, and say sion of the execution of the premeditated the amusements, too, may be of a noisy just what we mean, and mean what we scheme, namely: presenting myself for nature, as base ball, town ball, and foot

There are about two hundred millions of Catholic Christians, who substantially take this view of Sunday amusements. and who justly deem their use no infrac-

region the most unqualified of developments of the most unqualified of developments.

It affords me no diminutive gratification to observe with what superlative tranquility, and almost total absence of hypercritical demonstrations, the various individuals of your union seem to exist in their literary intercourse.

Far be it from the intentions of the seven deadly sins. We have, they truthfully conclude, no dictate of reason, no scriptural authority, and no doctrinal no scriptural authority, and no doctrinal no scriptural authority, and no doctrinal no scriptural authority. no scriptural authority, and no doctrinal decision, that requires us to change the Sunday into a day of unalterable gloom.

Others again, tolerate no Sunday amusements. According to them you may read papers, you may frequent theatres to your heart's content on week days; but on Sunday, these same innocent amusements become criminal, and render the perpetrator amenable to pun-ishment for the infraction of the Divine law. To this I reply, that what is as-serted without proof, may be refuted in

the same easy way, without given proof You then approve of Sunday theatres? Not so tast, my friend. I most emphatically do not approve of Sunday theadifferently without sin, being guided by his conscience, which is a practical dic-tate, decision, or judgment of reason, pointing out to his mind what he ought to do, or omit, here and now. Of course with the exuberance of his own verbosity," and then consign him to the
tender mercies of Bon Ami, Lloyd

Lloyd

Mainth the each and how. Of course,

I am intimately persuaded that Sunday

will ever remain with us, a time-hon
ored day, but to suppose that the restraints and prohibitions of the childhood of a nation, can still be maintained in the advancing vigor of manhood of that same nation, would seem to mark the rankest folly of a narrow-minded man. And now the Home Circle page is condition of this country cannot, and will not be stopped. And I feel assured, that no Sabbatical sophistry or nonsense

scious of this fact, and still do ample justice to a great many independent and divergent trains of thought. Granting, which cannot be denied, that the soul has this power of multiplying and guid-ing its intellectual activity, it follows as a necessary consequence, that the fewer Sunday laws we shall have inflicted on us, the better it will be for the rich, the poor, and all other classes of society. We, the American people, will possess and enjoy freedom of action, and the largest share of it too, that can be made compatible with rational freedom.

N. B.—I cannot see the great good, that some persons fondly imagine to themselves. must necessarily from the closing of the saloons on Sun-

REV. GEO. A. WATSON. Frank's Views on Men and Things. Plato once wrote: "Here is a thing wherein I would willingly have you alcohol. agree, that is to dispute and not to quarrel; for friends dispute between themselves for their better instruction, and enemies quarrel to destroy one another," and yet, some of the friends of the Circle seem to think because we do Circle, that we ought to be hushed right up or they will be obliged to leave in disgust. One of Juvenis' mythical friends criticism on Observer's article terrible, and why? Oh, because he didn't talk like a softy and use nice pretty language. He says: "a writer ought to be able to combat adverse opinion or statement without betraying loss of temper or urbanity." Very true indeed; we never write when out of temper, did not that say; endeavoring to call things by their right names, if we know them. So san Jovenis' remarkable mythical friend was the sane or demented cases disposed of in the courts are from the effects of al-cohol." It is a conceded fact by judges, that four-fifths of the crime in our counlaboring under a great mistake. We are glad that Bon Ami was so fortunate as to be able to pick himself up and properly put himself together again, after being jostled about so with that Mexican pony, try is caused either directly or indirectly by the use of drink. It is costing us to-day many times more than we are ex-pending to advance our religious, educajostled about so with that Mexican pony, and yet, there seems to be further difficulties awaiting him, as Fanny Frost has signalled her intention of "scratching his eyes out." That I am sure would be a calamity to the Circle. I would much prefer a Bon Ami to a Blind Ami. A gentleman, whose name I have forgotten, has written quite an able article in the North American Register in regard to the tional or industrial interests. Alcohol deprayes and degrades humanity, and contaminates society, and is the great evil of the day, and yet, "R Tist" ignorantly declares it no greater an evil than "eating hot bread."

For shape, Go and hide yourself and North American Review in regard to the genius of woman, showing that she has been the author of some of the most use-ful inventions of the day. I trust Bon has carefully perused that article, as he made the declaration a few months since,

that she had never invented anything at all. It now looks as though Bon sometimes writes concerning matters that he knows nothing of. Bon as a gallant, is a decided failure as he is too easily headed off by the "small bad boy." Will Carleton's poem of a recent num ber of the RURAL sounds familiar. heard him read, about a dozen years ago in my native state, (which is also his) He was then quite a young man, goo looking, sprightly and full of life. I al ways enjoy reading his poems, as they contain so much of real life. "Out of the old house, into the new," is a good one. The Rural of May 24th, contained a cheery letter from Schoolma'am, who seems to have been taking a pleasure trip. and I trust has been enjoying herself hugely down in the best part of Ne-braska. She also takes the liberty in adbraska. She also takes the hoerty in addressing me to place a prefix to my nom de plume, which is an exception to the rule; and then intimates that if I am not careful she will inform the Circle of some of my political honors. Now as friend Walnut was the only member of the Circle that knew anything in regard to that matter, I think (as the politicians say) Schoolma'um has given Walnut away badly. Friend Walnut, we want no more of that, as partiality is not allowed in the cocupying shady ground for several those people who are complimenting me. Jack is getting awfully nervous for fear I shall be spoiled, and my sweetheart Fred, (not of the Home Circle) is ojealous of Bon Ami that there will be store to be a duel, if those two belligerants ever meet.

Mr. Bon Ami, I am not so frightfully antiquated as I might be, but I have got an ion one week. Mr. Editor, how happy you ought to be for such an addition to the such and dot to individual members of it. Walnut, if you must write to individual members of it. Walnut, if you must write to individual members, wite meat Rest Kaw, and I will and not to individual members of it. Walnut, if you must write to individual members, wite meat Rest Kaw, and I will members, write me at Rest Kaw, and I will members, write meat Rest Kaw, and I will members, write to individual members of it. Walnut, if you must write to individual members of it. Walnut, if you must write to individual members of it. Walnut, if you must write to individual members, wite meat Rest Kaw, and I will members, write me at Rest Kaw, and I will members, write meat Rest Kaw, and I will members, write the sunfortunately to happen, in the Wealthy, we would then have inflicted on us the Sabbath of the wealthy, to the wealthy, to the wealthy, to the wealthy, to the would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, we would then have inflicted on us the Sabbath of the wealthy, the woll which we would then have inflicted on us the Sabbath of the wealthy, we would then have inflict Circle. Send your letters to the Circle, and not to individual members of it. Walnut, if you must write to individual the sources of amusement afforded them by the parks and other public resorts of a vast and thriving city, and which parks have been mainly acquired by the combined labors of all the citizens. The Sunday is their Sabbath, their day of rest, given to them by Almighty God Himself. If, with the power of the ballot in their hands, they should allow it to be wrested from them, then, indeed, would they richly deserve their subsequent degradation. For what can be more galling or degrading, to the intelligent form your section to St. Louis. About that time a gentleman from your county, who was engaged in the sorghum business, and whose name commences with "B," called upon the Col., and a notice of the was published in the RURAL. Now any one living in Nebraska, thought it is seldom one goes galling or degrading, to the intelligent from your section to St. Louis. The trained saked you if you were still wearing Pa's boots, or something to that effect, where-upon you replied by stating that he had worn them to St. Louis. About that time a gentleman from your county, who was engaged in the sorghum business, and whose name commences with "B," called upon the Col., and a notice of the was published in the RURAL. Now any one living in Nebraska, thous it is seldom one goes for the part of the same was published in the RURAL. The provided provided the provided provided provided the provided pro degradation. For what can be more galling or degrading, to the intelligent mind, than the consciousness of having lost inestimable advantages, through supine indifference in the non-use of the ballot, which every freeman ought to know, when, and how to use.

I now bring together two texts of scripture, that seem to explain one another. Remember thou keep holy the Sabbath law in the sem to explain one another. Remember thou keep holy the Sabbath law in the sem to explain one another.

law prohibiting the sale of liquors as a beverage, is as much obeyed as any law upon their statutes. Whenever such laws are violated it is not the fault of the law, are violated it is not the failt of the law, but that of the executors of the law. It is true the prohibitory law of Maine may be violated in certain cases; so is the law against horse stealing, arson, burglary, larceny, bigamy, etc. Does that argue they are failures, and ought to be repealed. Does it argue that because a law is violated, it necessarily becomes unconstitutional? If so, we are to-day without a single constitutional law on our statute books (according to "R. Tist's" brilliant logic), for we have not one but what is violated. "R. Tist" further says:
"The immoderate use of a great many
other things is a greater evil than intemperate drinking." and then refers us to
the evil of eating hot bread, intimating that that was a greater evil and of more alarming proportions than the use of alcohol. Can it be possible that that writer has come into the midst of the intelligent readers of the RURAL for the sole purpose of talking such nonsense? Since 1860 alone, the liquor traffic in this country has cost more money, desolated more homes, crushed more hearts, and more homes, crushed more hearts, and destroyed more lives than the great war of the rebellion. Prohibition is in harmony with the purest philanthropy of the nineteenth century. A presiding judge of one of the Chicago courts recently said: "The saloons of Chicago are responsible for the cost of the police force, the lifteen justice courts, the Rid. force, the fifteen justice courts, the Brid-well, the criminal courts, the county jail well, the criminal courts, the county jail, a great portion of Joliet, the long murder trials, the coroner's office, the morgue, the poor house, the reform school, the mad house, etc., also the gambling houses and the bad houses of the city are the direct outgrowth of the boon companions of drink. Of all the boys in the reform school at Pontiac, and in the variance were the second of the country of the count ious reformative institutions about the the city, 95 per cent are the children of parents who died through drink, or became criminals through the same cause 90 per cent of defalcations came about in the same way, and full 90 per cent of the divorce cases were brought about in the same manner, and 70 per cent of the in-

For shame! Go and hide yourself, and For shame: Go and had you. ery for the rocks to fall down upon you. "Frank."

THINGS IN GENERAL

Wise's Axle Grease beats castor of . He that wrestles with us strengthens our erves and sharpens our skill. Our antago ist is our helper.--Barke.

When you have had Catarrh long enough, just send 10c. to Dr. C. R. Sykes, 181 Monroe St. Chicago, for his "True Theory of Catarrh." Blessedness consists in the accomplishmen

of our desires and in our having only regular desires .- Augustine. Charles J. Bonroe, St. Louis, Mo., says: nave taken Brown's Iron Bitters for nervous-

ess and general debility with good results." Wishing, dreaming, intending, murmuring, and repining, are all idle and profitless em-ployments. The only manly occupation is to keep doing.

"Five doctors, no end of medicine; no re lief. Dr. Benson's Skin Cure has driven away all eruptions and I'm nearly well."—Ida C. Young, Hamilton, Ill.

A man dies very much as a bucket of wa ter is drawn from a well. There is a little de pression for a moment, then with a little gur-gle the waves fill it, and the streams flow on with the sun shining on the spot as before.

Waiting a Claimant.—A challenge is offered to any one who can produce a case of torpic liver that will not succumb to the influence of ons Liver Regulator, taken regularly by

It is truth awaiting recognition that the actual learning how to use the hands dexter-ously and accurately is a positive gain to the mental faculties. The trained hand and the trained eye are the best preparations for the trained thought. They give the first idea of system, order, accuracy, and the effective

"With grateful feelings."-Dr. Pierce, Buffalo, N. Y.: Dear Sir-Your "Golden Medical Discovery" and "Purgative Pellets" have cured my daughter of scrofulous Swellings and Open Sores about the neck; and your "Favorite Prescription" has accomplished wonders in restoring to health my wife who

ing public men of Maine, knows that the comes weakened and debilitated. It is less trouble to keep the system in order, than to put it in order after it has become deranged by disease. To keep up the healthy tone of the digestive organs we know of nothing so good and effective as the celebrated Home Sanative Cordial.

A look of kind Truth and a word of Good

Are the magical helps on Life's road; With a mountain to travel, they shorten the hill,

With a burden they lighten the load. o stranger and Neighbor, though Sorrow and

On each of our pathways may fall, While Love carols aloud like a lark in a

There is Beauty and Joy for us all.

Wind and thunder have rolled, yet the wheatears of gold, And the red grapes shine glowing together; o should spirits unite in the heart's harvest

And forget all the past of rough weather

Let us balance the glad with the sombre and Let the voice of good fellowship call;

For while love sings aloud, like a lark in the There is Beauty and Joy for us all.



This powder never varies. A marvel of purity, strength and wholesomeness. More economical than the ordinary kinds, and can-not be sold in competition with the multitude of low test, short weight, alum or phosphate



VEGETABLE COMPOUND. Is a Positive Cure

A Medicine for Woman. Invented by a Woman.

The Greatest Medical Discovery Since the Dawn of History. The Greatest Medical Discovery Since the Dawn of History.

The Trevives the drooping spirits, invigorates and narmonizes the organic functions, gives clasticity and firmness to the step, restores the natural lustre to the eye, and plants on the pale check of woman the fresh roses of life's spring and early summer time.

Physicians Use it and Prescribe it Freely in It removes faintness, fiatulency, destroys all craving for stimulant, and relieves weakness of the stomach. That feeling of bearing down, causting pain, weight

For the cure of Kidney Complaints of either sex this Compound is unsurpass

LYDIA E. PINKHAM'S BLOOD PURIFIER will eradicate every vestige of humors from the Blood, and give tone and strength to the system, of man woman or child. Insist on having it.

Both the Compound and Blood Purifier are prepared at 23 and 23 Western Avenue, Lynn, Mass. Price of ether, 8t. Six bottles for §5. Sent by mail in the form of pills, or of lozenges, on receipt of price, \$1 per box for either. Mrs. Pinkham freely answers all letters of inquiry. Enclose let. stamp. Send for pamphlet.

No family should be without LYDIA E. PINKHAM'S LIVER PILLS. They cure constitution, billiousness, and torpidity of the liver, 25 cents per box.

Agriculture of the liver and the control of the control 母母母母母母母母

HALL'S Vegetable Sicilian

HAIR RENEWER

was the first preparation perfectly adapted to cure diseases of the scaip, and the first successful restorer of faded or gray that to its natural color instances, but now have so fully met all the requirements needful for the proper treatment of the hair and scaip. HALL'S HAIR ENNEWER has steadily grown in favor, and spread its fame and usefulness to every quarter of the globe. Its unparalleled success can be attributed to but one cause: the entire printing of MALL'S HAIR ENEWER wonderfully changes and improves the personal oppearance. Is cleanses fever, and dryness, and thus prevents baldness, it stimulates the weakened glands, and enables them to push forwards new and vigorous growth. The effects of this article are not transient, like those of alconding preparations, but remain a long time, which makes its use a matter of economy.

Buckingham's Dye FOR THE WHISKERS

Will change the beard to a natural broblack, as desired. It produces a permanet that will not wash away. Consisting of a preparation, it is applied without trouble.

R. P. HALL & CO., Nashua, M. H.

AGENTS WANTED to sell DR. CHASE'S 2000 RECIPE BOOK. Sells at sight. For further in formation, address Tr. Chase's Printing House, Ann Arbor, Mich.

SOLD free, J. S. BIECH & CO., 38 Day St., N. Y.

ed qu family and se two Zoolo best s ing th Mr. S out of of Ho ago, poun these We h pound vince for th bility son, a Texas he as clima

may b

large impor ago as mostl; tation

R. Sn

since, be for

man e speak gloon rain t four 1 Holst fat or hardy Syr We

the primpro Mosel Ed. N ed Je

tune (Walte bull. purch bull, impro count One are in er's e chees chees It th

longe pleas the W

in ch

Tho lenge July quite lar in circu butter to the for a

gest, spring sey, a

test a

please

less th

The ports 737,9 previ The can p

The his m ever

The engag neigh a goo and p

83.

It is less than to deranged tone of

thing so

ed Home

of Good

d; rten the

i. row and

irk in a

e wheat-

ogether

ather. bre and

rk in the

e.

arvel of b. More and can-ultitude osphate

Vall St..

W P

ne M'S

D.

ates and city and e to the pe fresh

ely To

om the

Price of he form per box etters of et.

KHAM'S

S

ER pted to cessful

AIR RE-

ye

H. H.

sg's 2000 rther in Printing

The Dairy.

Holsteins.

EDITOR COLMAN'S RURAL WORLD: It may be of interest to your readers to know that we have recently imported two large lots of Holstein cattle. The first importation arrived here about six weeks ago and consisted of nearly 100 head, mostly yearling heifers. The last importation, 190 head landed a week ago. These cattle were all selected by Mr. W. R. Smith who went to Holland early in the Spring, and has been hard at work since, selecting the very best animals to be found in that country. He has secured quite a number of the noted Aggie family, the best milking family known, and several of the descendants of the two noted animals which are kept in the Zoological garden at Amsterdam as the EDITOR COLMAN'S RURAL WORLD: It Zoological garden at Amsterdam as the best specimens of the breed. In securing the number of animals purchased, Mr. Smith visited and took his selections best specimens of the breed. In sections ing the number of animals purchased. Mr. Smith visited and took his selections out of several hundred of the best herds of Holland. Our herd at home has been doing finely. Several of our cows closed 3 year old records a short time ago, ranging from 14000 up to 15622 pounds last year. We feel very proud of these records for three-year-old heifers. We have also made this spring several butter records, which we think a credit to the breed. Three-year-olds have given over 16 pounds a week, and several older cows have given from 15 to 20 pounds. We are more and more convinced of the superiority of the Hoisteins for the dairy, and also of their desirability as beef animals. Mr. H. Seeligson, a gentleman owning a large ranch in Texas, was here last week and left an order for a car-load to be shipped to him this fall. He has been testing Holsteins on his ranch for the past few years and he assures us that they endure the climate there more readily, and fatten more easily than any other breed. We make the following quotation from a letter received by him, (from the foreman on his ranch), while here. It will speak for itself. "It looks rather gloomy. We have not had sufficient rain to wet the ground three inches in four months. Grass is fast drying up. speak for the speak gloomy. We have not had sufficient rain to wet the ground three inches in four months. Grass is fast drying up, and cattle are falling away. Your Holstein bulls, with all the drought, are fat on the grass. They are the most hardy cattle that can come into this sec-tion of country, and stand the sun as well as our native cattle."

Yours Truly, SMITHS & POWELL. Syracuse, New York, Aug. 6th 1883. Improved Stock.

We are glad to note an inclination on the part of many of our farmer friends to improve their stock. Our friend, D. T. Mosely, has a fine blooded Holstein bull; Ed. Noble has two of the best full-blooded Jersey cows it has been our good fortune to see, while James Roddle and Geo. tune to see, while James Roddle and Geo. Waltenberger have each a fine Jersey bull. Your correspondent has recently purchased a full-blooded Poland China boar, and is to have a registered Durham bull, to cross with his Alderney and Devon cows. The above are some of the improvements in stock which have been made inside of one year, and it denotes as well a marked improvement in the country.

as well a marked improvement in the country.

One thing is still wanted here and we are in hopes that we can open our farmer's eyes to the fact, and that is a good cheese factory. There is a practical cheese maker who has all of the appliances for running a factory, who stands ready to put it in good working order if he will only be guaranteed 150 cows. It the farmers of this section could only see what the cheese factories have done for Columbia and other counties, it seems that they would hesitate no longer to make the venture. I would be pleased to have some of the readers of the Western Farmer who have had experience in the business, give us some notes on the subject, costs, profits, etc., in cheese-making, as regards the farmers.—Monroe Co. Correspondent Western Farmer.

pointes on the subject, costs, profits, etc., in cheese-making, as regards the farmers.—Morne Co. Correspondent Western Farmer.

Iersey Versus Holstein Cows.

Thomas B. Wales, owner of the Holstein cow Mercedes, in reply to the challenge of Valancey E. Fuller, of Hamilton, as mentioned in the Weekly Mail of July 19, says:

"We have each the most remarkable and doubless the most valuable, cow of our respective breeds, and it would be quite interesting to us, if of no partius further and more extended tests of trees two cows made, to establish, so far as circumstrances would permit, which of the two is capable of producing the most butter in a given time; and I shall be greatly pleased to have such a trial made at a time when our cows can do justice to themselves, and will arrange with you for a trial to be made in the presence of committees appointed by the editor of The Breeder's Gezzette. The longer the starting the mist as soon after the cows have droppel their calves as possible."

Mr. Wales is averes to wagers, and prefers a friendly trial without stake of any kind, It will be impossible to make the trial at once, as you suggest, and I propose it to be made in the presence of committees appointed by the editor of The Breeder's Gezzette. The longer the test agreed upon the better I shall be pleased, and should be satisfied with no less than sixty days. It will be impossible to make the trial at once, as you suggest, and I propose it to be made in the presence of the selection of the selective breeds as milk and battery producers.—Toronto Mail.

Butter for the producing the most builted in the presence of the selection of the selective breeds as milk and batter producers.—Toronto Mail.

The exports of butter from American the present has been a good season—far the present has been a good season—far the present has been a good season—far the profit of the transition and give it time to be considered in the question of the trought in the profit of the season for surplus being work and cooled, the sweet creating

A beef animal that weighs 1,000 pounds is worth twice as much as one that weighs but 500 pounds. A cow that yields but 100 pounds of butter a year is not worth one-half so much as a

EXPORTING MILK.—Are the English people really becoming babes in agriculture? So evidently believes Dr. Stone, of New York, formerly secretary of the Northwestern Dairymen's Association, for he has begun the exportation of American milk to London. He has the milk sealed in glass jars, and placed in a refrigerator during the vovage. So far the experiment has resulted satisfactorily, the milk reaching its destination in good condition. We do not know the difference in the price of milk between the two great cities, but trust it is sufficient to yield a fair profit to the enterprising gentleman who has inaugurated it.

HOLSTEIN Cows.—The following is a Holland description of this breed: "The cow should have considerable size, not less than 41-2 or 5 feet in girth, with a length of body corresponding, a finely formed head, with a forehead or face somewhat concave, clear, large, mild eyes.

eyes.
"Yields of sixty to ninety pounds of milk per day are expected of all native Holstein cows on good pasture. But her strongest recommendation to the dairy is not her daily yield, but the fact that she the tarry yield, but the fact that she continues to give a full flow throughout the year. Cows yielding 16,000 pounds of milk per year are not scarce, while a few have gone much higher, and the mature cow that would fall short of 10,000 pounds would be an exception."

RICH CHEESE .- When the milk is kent

Mr. Wales is averse to wagers, and prefers a friendly trial without stake of any kind, It will be remembered that Mr. Fuller's cow, Mary Ann. is a Jersey, and the object of the challenge was to settle the question as to the merits of the respective breeds as milk and butter producers.—Toronto Mail.

Dairy Notes.

The exports of butter from American ports for the week ending July 21 were 737,979 lbs., against 10,151,487 lbs. the previous week, and 393,923 lbs. two weeks previous.

The exports of cheese from all American ports for the week ending July 21 were 737,979 lbs., against 10,151,487 lbs. the previous week, and 6,532,469 two weeks ago.

The Farmers' Home Journal says that are x-Judge in Ohio County, Kry, being short of work-stock last spring. hitched his mileh-cows and heifers to the plow. The ex-Judge now says that, as an evidence of his success, he has left over in his cribs 600 bughels of as fine corn as he ever raised.

The establishment of Creameries is engaging the attention of many of our neighboring towns. Centralia would be a good point for such an establishment, and parties have been here endeavoring to make arrangements to build a creament should be given to the project,

A Pennsylvania farmer has found cayenne pepper an effectual preventive against cows sucking themselves. After milking, make a paste of the pepper with a little milk and put it on the teat. Less and less will answer after a few days, and the cow will discontinue the habit, perhaps only temporarily at first, but if we here lapses, the application can be renewed until a complete cure is effected.

The Boston Commercual Bullettn says that the best butter is made in lowa, because there corn is freely fed to the cows; this produces better milk than hay or mixed fed, and this, in turn, produces better and finer butter. Although corn is worth more to the lowa farmer than it was a few years ago, he continues to feed his cows liberally with it, and obtains a higher price for his butter. Iowa has eight hundred creameries.

A beef animal that weighs 1,000 made from the milk, which is sometimes be had. Just now he has purchased

The Poultry Pard.

Seasonable Notes.

Our fowls would be hardier, healthier and cleaner if they roosted more in the open air.

tten We La Crosse, Wis.

How To Milk.—Are the Front people really bears of the space firm lawks.

SPACE.—In summer fowls need more space than they do in winter. In all cases where it is possible they should have plenty of room for their accommodation, that the number may never be crowded night or day, and that a part of the space fenced in be in the open air, where they can pick and scratch and dust themselves every day and get the needed exercise that is so essential to their health and productiveness. When confined to close quarters, they require more care and attention. Unlimited range is not absolutely necessary in order to raise prime fowls, for some breeds will not for wrist will come in time.

Exporting Milk.—Are the Front people really bears.

but seldom the confined fowls enjoy the opportunity of eating slowly, for when the food is thrown down before them they gulp it down in very quick time, and cannot indulge in the natural habit of eating while placed within bounds, even if supplied from the most ingeniously contrived feed boxes.

Often we see grave errors committed by nutring out large quantities of food by nutring out large quantities of food

Often we see grave errors committed by putting out large quantities of food at a time, to be gobbled down till the swelled crop can hold no more, and the fowls stand moping about, with no disposition to move ot seek ary of the aids to digestion and health which they would if not stuffed to repletion. Feeding fowls only what they will pick up clean, giving the food in variety, hiding the grains in dry earth, chaff or leaves and compelling them to scratch for every and compelling them to scratch for every kernel, will do them more good, though confined, then by the mode or feeding lavishly, and the beneficial result from the habit of eating slowly and the exercise that they take will be more certain in every way.—Poultry Monthly.

The Apiary.

Che Pig Pen.

It Pays in the Rural.

COL. COLMAN: Enclosed find draft in payment for advertising. I find the RURAL WORLD one of the very best adver-tizing mediums. It has brought me a good trade and from a good class of cus-

D. VID A. WATTS.

Sumner, Ills., Aug. 6.... 1883.
And Mr. Watts has good Poland China stock to sell to the intelligent readers of the RURAL WORLD. He has always bred to the best breeding stock to "Hancock" No. 2549, Ohio Poland China Record, who took first premium at the last St. Louis Fair and showed No Taste of it Can be Detected in Food

The origination of the disease among wine is constipation of the bowels, easi-It is suggested by some experienced breeders as a wise plan to adopt, for purchasers to buy of breeders weaned chicks when say four to six weeks old. This will give the purchaser a change to make the property of the animal, unless it be a gradual wasting of the animal, unless it be a gradual wasting of the animal of the an when say four to six weeks old. This swill give the purchaser a chance to raise show birds that will, in many cases, pay the whole bill.

Chicken runs require plenty of shade, dense shrubs and trees, either ornamental or fruit trees. These form a cool retreat during hot days, and hiding-places and protection from hawks. bedding places of the herd during the winter. The duration of these symptoms depends upon the severity of the atta-k. In some cases they continue six or eight days; in others two or three weeks. In the latter stages of the disease the hog has loose and frequent discharges of discolored matter, which soon terminates in death. Should the bowels fail to discharge, as pointed out above, the animal will have what is called the thumps. This is a palpitation at the flanks at the drawing of each breath, which in the end is as fatal as the other form of termination of these stages of the disease. It is easily imported to others in the herd, and soon becomes epidemical in form, and carries eight days; in others two or three weeks. becomes epidemical in form, and carries off its victims from twelve to forty-eight hours after being attacked. The reme-dies that would prove efficacious in the in the Lating of the habit of eating slowly and giving the food time to digest well as it passes through the digestive organs is the most natural way, but seldom the confined fowls enjoy the opportunity of eating slowly, for when the food is thrown down before them. I am correct in the position taken, that cholera in its incipient state begins with constipation of the bowels, then the solution of a remedy is easy. I have had no trouble in staying the progress of the disease after a few cases had made their appearance in my herd. I at once re-move the sick from the well ones, and re-

move the sick from the well ones, and repeat as often as one shows symptoms of cholera. Then procure at the nearest drug-store the following formula:

Two pounds copperas, two pounds black antimony, two pounds sulphur, two pounds madder, one-half pound arsenic, one-half pound calomel, increase the proportion pro rata, according to the one-half pound calomel, increase the proportion pro rata, according to the number of hogs to be treated. Dose, one tablespoonful to each log, thoroughly mixed with bran in a dry state—then add water until it will stick together (or a stiff dough). Drop in piles, so that all in the herd can get their part. Repeat this daily until their bowels are opened by the medicine, then give once a week or ten days thereafter to keep them healthy. For the sick ones give one tablespoonful in linseed oil in the form of drench. Repeat daily until an action from the medicine. Feed on light, cooked food. Should their bowels become costive, repeat as before.

I have ever been able to save over half of the sick by the remedy, which was a decided improvement on any other I ever tried. It may be necessary here to state that these side besteld here have but high

decided improvement on any other I ever tried. It may be necessary here to state that those sick should have but little water. The prime object among breeders should be to stay the malady from the well hogs and take the chances of curing the sick insolated from the rest of the herd. Close observation and application of the above remedy will stay the disease and prevent it from becoming epidemical. epidemical.

enical.

In closing, it might be well to say the herd should be kept free from vermin, which is easily done by coal oi, and grease, in equal parts, sprinkled upon them every two weeks, and the pest will soon be exterminated.—Shelby County (Ky) Express. (Ky) Farmer.

Perry Davis' Pain-Killer' is an excellent regulator of the stomach and bowels, and should always be kept on hand, especially at this season of the year, when so many suffer from bowel complaints. There is nothing so quick to relieve in attacks of cholera.

Cuts from barbed wire fence, cured with Stewart's Healing Powder. No sear or gray hair, 50 cts a box.

A LIVE SCHOOL,

With Modern, Progressive Ideas,

Jacksonville Business College

AND ENGLISH TRAINING SCHOOL.

A Business Course, an English Course; specials, Telegraphy, Penmanship, Shorthand and German. Location cheaper, safer and pleasanter than the large city. For full middle formation address

G. W. BROWN.

Jacksonville, Ill.

TURKISH BATHS.

THE BEST IN THE WEST at the Southern Hotel Bath Rooms, South Fifth Street.
Open from 6 o'clock a. m. to 8 o'clock p. m. Sundays, from 6 o'clock a. m. to 12 m.
Owing to the great throng daily patronizing our widely known establishment, gentlemen ONLY can be accommodated. RANDOLPH & SMITH, Prosretors.

TURKISH BATH

ESTABLISHMENT, 311 N. Seventh St , Between Olive and Locust. GEO. F. ADAMS, M. D., SUPT.

FOR LADIES:—Monday, Thursday and Sat-urday mornings from 9 a. m. to 12 m. FOR GENTLEMEN: —From 7 a. m. to 9 p. m. excepting the above hours for ladles. SUNDAYS:—Gents from 7 a. m. to 12 m.

The WONDER of the AGE. "REX MACNUS" The Humiston Food Preservative.

Keeps All Kinds of Food Absolutely Fresh

for any length of time. It will not only keep fish, flesh and fowl, eggs, milk, butter and cream, perfectly fresh and sweet, but it actu-ally improves their quality.

Tough and Dry Meats Made Tender.

L. B. Hiscock, of Fanuel Hall Market, Boston, says: "I kept some tough, dry, old ewe mutton, which had been treated with this preparation, in my stall for over two months. Then I and others ate of it and it was as success and lender as any mutton could be."

It is Tasteless, Harmless and Cheap.

Bry Mayless as memberalized. It is Tasteless, Harmless and Uneap.

REX MAGNUS is a combination of well-known antisepties, perfectly simple and harmless in character, and its use will not injure the most feeble and delicate system. It really promotes health, for it makes meats mellow, tender and juicy, and absolutely premote that decay which even in its earliest stages renders tood unwholesome for the human stomach.

No Taste of it fun be Detected in Food.

himself one of the best in the pens.
Having proved a successful sire, Mr.
Watts has secured him for use on his
fine, large and healthy herd.

Hog Cholera.

It has withstood the most searching tests in
this respect. Dishes of treated and untreated meat, fish, cysters, milk and cream, have
been placed side by side at several notable
dinners in Boston, New Haven and Chicago,
and no one could tell which was fresh and
which was preserved.

How to Get It.

All druggists and grocers keep it, or we will send sample packages prepaid by mail or express as we prefer. Name your express offic.

"Viandine," for meats, poultry, &c., 50 ets.

"Cocan Wave" for oysters, lobsters, &c., 50 ets. "Pear!" for cream, \$100. "Snow lake" for milk, butter, &c., 50 ets. "Queen" for eggs, \$100. "Aqua Vitae" for fuid extracts, &c., \$100. "Anti-Ferment," "Anti-Fly" and "Anti-Moid" 50 ets. per b. each.

Put up in 1 b. and 5 b. cans, and in 25 b. boxes. Mention this paper.

THE HUMISTON FOOD PRESERVING CO..

72 Kilby Street, Bostsn, Mass.
72 Kilby St., Boston, Mass.
For sale in Chicago by Sprague, Warner
Co., Wholesale Grocers, and Van Schaac
Stevenson & Co., Wholesale Druggists.



CANE MILLS

Dixie Evaporators,

ither galvanized iron or copper pans, with or ithout portable furnace; also fixtures for brick stone arch. **Send for circular. Kingsland & Ferguson Mfg. Co., ST. LOUIS.

STAR CANE MILL.



GRINDS twice as fast. Double the capacity, Cheapes MILL made. Warranted in every respect. IWe manufacture ten different styles of Cane Mills, and a full stock of Evaporators and Sugar Makers' Supplies, and

and STUBRS'

Evaporator

Has greater capacity

Saves half the labor. A boy can operate itsuves fuel. Syrup made on it brings a higher
price in market. Don't fail to investigate its
merits before ordering. Send for CIRCULAR
to

J. A. FIELD & CO.,
Eight and Howard Sts.,
St. Louis, Mo., U. S. A.

WHITMAN'S PATENT AMERICUS.



per cent, more cider than any other. Gearded outside, Perfectly Adjustable, Prices as low as any first-class mill. Mfrs. of Horse Powers, Hay Presses, Corn Shellers, Feed Cutters, Feed Mills et a. Send feet issular. VHITMAN AGRICULTURAL CO. ST. LOUIS, MO.

It will cost only a cent M:I:L:K:M:E:N,

-BUTCHERS AND GROCERS—
Send your address on a postal card and receive information, solid facts and proofs, which will show you how you can save a great deal of money every day, every week and every year, in your business. This is worth looking into. HUMISTON FOOD PRESERVING CO., 72 Kilby Street, Boston, Mass.

26.999 NOW IN USE. All persons say their goods are the best. We ask you to ex-

All persons say their goods are the best. We ask you to ex-amine our Improved Keller Positive Force Feed, Grain, Seed and Fertilizing Drill and our Hay Rakes. They seed and Fertilizing Drill and our Hay Rakes. They are as good as the best, and can be sold as cheap. All are war-ranted, Circulars mailed free. Newark Machine Co., Newark. Ohio. Eastern Branch House, Bagerstown, Rd. E. M. BIRDELL & CO., General Agents fo Southern Illinois and Missouri, 316 South 8th Street, St. Louis. Mo.

Free! Cards and Chromos.—We will send free by mail a sample set of our large German, French and American, Chromo Cards, on tinted and gold grounds, with a price list of over 200 different designs, on receipt of a stamp for postage. We will also send ree by mail as samples, ten of our beautiful Chromos, on receipt of ten cents to pay for packing and postage; also enclose a confidential price list of our large Oil Chromos. Agents wanted, Address F. GLEASON & CO., 46 Sumner Street, Boston, Mass.

SAVE MONEY! Every Farmer should know that 8 cts, per bushel can be saved by on Corbo by the box Corbo by the saved by the Ib. on Cotton by the use of a THOMAS SMOOTHING HARROW THOMAS SMOOTHING HARROW Also manufacture the Perfected PULVERIZER which contains 72 sharp steel blades, covering 10 feet at each sweep. Warranted the most powerful Pulverizer ever invented. For pamphlet contain, no illustrations of both machines at work, and hundred to the contained of these who use and recommend them, address THOMAS HARROW CO. Geneva.N.Y.

LOOMINGTON by F. K. PICKENIX, We offer for the BLOOMINGTON, ILL li Trade a very tion of Fruit and Organization of Fruit an for Fall of 1883 now ready and mailed on application 1886 600 ACRES! 13 CREENHOUSES!

ERRORS OF YOUTH. Prescription Free for the speedy cure of Nervous De bility, Lost Manhood, and all disorders brought on influenctions or excesses. Any Druggist has the in-gredients. Address BAVIDSON & CO., No. 28 Nassau Street, New York.

excepting the above hours for ladies.
SUNDAYS:—Gents from 7 a. m. to 12 m.

Wanted Agents. male and female, for new book, "Baughters of America." Low in

\$72 A WEEK, \$12 c day at home easily made. Costly Outfit free. Address Taur & Co., Augusta, Mo.

Address Forshee & McMakin, Cincinnati, O.

\$5 to \$20 perday at home. Samples worth \$5 reserved. Address Forshee & McMakin, Cincinnati, O.

SAMARITAN THE GREAT NERVE CONQUEROR.

A SPECIFIC FOR

EPILEPSY, SPASMS, CONVULSIONS, FALLING SICKNESS, ST. VITUS DANCE, ALCHOHOLISM, OPIUM EATING, SYPHILLIS, SCROFULA, KINGS EVIL, UGLY BLOOD DISEASES, DYSPEPSIA, NERVOUSNESS, SIGK HEADAGHE, RHEUMATISM, NERVOUS WEAKNESS NERVOUS PROSTRATION, BRAIN WORRY, BLOOD SORES, BILIOUSNESS, COSTIVENESS, KIDNEY TROUBLES AND IRREGULARITIES.

\$1.50 per bottle. The Dr. S. A. Richmond Med. Co., Props., St. Josoph, Mo. (11)
Correspondence freely answered by Physicians.



Re-invigorates the System, PRÉ VENTS and CURES Chills, Fevers, Dyspepsia, Summer, Female, and Liver Disorders. Recommended by best physicians.

Pronounced a Medicine by United States Revenue Department. For sale by all Druggists and Dealers generally.

Principal Office and Laboratory 24 & 26 North Main St.,

THE OLD RELIABLE HALLADAY STANDARD WIND MILL

GUARANTEED Superior to any other make.

17 Sizes-1 to 40 H. Power Adopted by U.S. gov. at forts and garrisons and by all leading R.

U. S. Wind Eng. & Pump Co., Batavia, Ill. State where you saw this adv.

The World Watch Stationery Package is the fastest selling article in the market.—Contains 18 sheets note Pen, and a humaner paper 18 Envelopes, Penel, Pen Roller, Contains 18 sheets note Pen, and a humaner paper 18 Envelopes, Penel, Pen Roller, Cents. Four dozen for \$86.00. A watch guaranteed with every four dozen four of the Penel Pe

Watches, Accordeons, Violins, Organettes, &c. free. Write at once to World Manufacturing Co. NOTICE 129 Nassnu Street New York ANDREWS Polding Bed, 30 styles
Burr Pat. Imp'd



ISAAC S. LEE, 717 Olive Street, St. Louis, MG.



EVAPORATING FRUIT and general statistics, free-and general statistics, free-AMERICAN M'FG CO WAXNESBORD, PA

MANHOOD RESTORED. A victim of early imprudence, causing nervous debil-ity, premature decay, etc., having tried in vain every known remedy, has discovered a simple means of self-cure, which he will send FREE to his fellow-uniferer. Address, J. H. REEVES, 42 Chatham St. New York

ENGINES, THRESHERS SAW-MILLS, Horse Powers

Suited to all sections.) Write for FREE Illus, Pamphlet and Prices to The Austman & Taylor Co., Mansfield, Ohio. COOK'S EVAPORATOR! For making Apple Jelly, Sorghum, Ma

WHITENACK, BORDINE & CO., Tecumseb,

JOHN B. BLYHOLDER, Horseshoer and Farrier. Road and Track work a specialty. 2717 Franklin Ave.

\$288 a month to one general agent in each county; something new; rare chance; outfit free. E. I. C. Co., 381 Canal Street N. Y.

\$250 A MONTH, Ag'ts wanted. 90 best selling articles in the world. I sample free, Address JAY BRONSON, Detroit, Mich.

40 Gold and Silver Chromo Cards, no 2 alike with name loc. postpaid. G. I. Reed & Co. Nassau, N. Y.

The Stock Pards.

Weekly Review of the Live Stock Market.

WEDNESDAY, Aug., 1883. Receipts and shipments for 24 ho

at Il a. m., to day.

to rule (weak, though no lower. Indeed in anything prices all round were steadier, and for natives and Texans of good qualities were maintained at strong previous prices, the latter when in good fiesh and of 850@900 bs. bring preference to natives of the same weight. Trading during the fore part of the day was to local dealers mostly, but later Representative sales:

21 native cows-steers842	24 19
20 Texan butchers	3 75
19 native cows-heifers	3 70
21 native cows901	3 70
22 native cows-heifers819	3 371/2
20 native cows—heifers	3 40
30 Indian cows 833	3 50
18 native cows-heifers	3 50
20 Texas steers843	3.50
20 native cows	4 25
21 Texas steers910	4 20
22 Texas steers	4 20
42 Texas steers	4 00
42 TCARS SECCISION	

HOGS-Active and higher with a brisk de mand for light weights from shippers who took all they could get at an advance of 5c to 10c, sales being made at \$550@5.75. Heavy weights were slow, and only a few changed hands. City butcher took a few at \$5 15@5 50, and small sales of medium weights to ship-pers at \$5 00@5 50 rough and culls \$4 50@4 80. The offerings were small and soon closed out

Hies:	
21 264 \$4 80	42\$5 70
68 259 5 20	27 5 00
21 5 15	226 5 95
54 5 70	30 5 70
40 5 50	50 5 70
55 5 30	85 307 5 70
25 182 5 60	19 193 5 60
54 285 5 30	48 221 5 50
40 193 5 70	20 5 50
48 287 5 35	18 5 00
11573	92 206 5 70
54 5 70	32 5 70
13 5 75	22 5 75
.0 5 70	.)
CHANGE CALL TO WAR	a falu demand for

good mutton and stick sheep, common of all kinds dull, and lambs unsaleable at \$3500 475. We quote: Common to medium \$2500 300, fair to good \$3250400, prime \$4100460, Stockers \$2 50@3 75.

TEUSDAY, Aug. 14, 1883. Receipts and shipnts for 24 hours ending at 11 a m to-day.

	Cattle	Hogs	Sheep	and Mules
Receipts	1597	2334	3363	200
Shipments	425	1642	120	127

the market this morning, on the contrary prices if anything were weaker and the trade generally slow. Early arrivals were light, and salesmen looked forward to a better market. WHEAT—Receipts for 48 hours of course occasioned an accumulation, but averaged unimportant difference from previous daily But buyers of all classes were backward about amounts, showing that there is not yet any developing into a further decline in values for some time been in demand from milling before the market closed. During the most of the day, however, transactions were made at order demand for No. 4 winter. The stock of about the same rates current the day previ- wheat in elevators is still showing an increase ous, and only for the unexpected run of first cattle, the most of them by the way being Texans and Indians they would have been morning, and 851,378 bushels Saturday night maintained. The representative sales were week. The stock of No. 2 red in elevators

as follows:		- 1
24 Indian butchers	808 \$	3 85
22 Indian butchers	856	3 90
22 Indian steers	939	4 15
22 Indian stee 18		4 15
23 Indian butchers	880	3 90
15 Texas butchers		3 85
23 Indian steers		4 15
24 Iudian butchers	899	4 15
23 Indian steers		4 15
24 Indian steers	930	4 15
24 Indian steers		4 15
20 Texas steers	852	3 80
39 native steers		5 15
77 native steers	1243	5 00
HOCE The movement mas slow	to day	. 00

Fortunately the arrivals were small, only about twenty cars all told being received and these by the hour of noon were pretty well cleared up, at the above figures. Good to extra butchers were quoted at \$5 15@5 45, and skips, culls and throwouts \$4 50@4 75. Repre-

23 253 \$4 80	16194\$5 65
39 5 60	13 5 75
74 5 60	76 197 5 75
60 5 70	36 5 65
71 5 75	50 179 5 60
29 5 65	21 5 65
49 197 5 65	

SHEEP-Unchanged and quiet. Common and infirm dull and weak, but good of all descriptious would sell readily.

MONDAY, Aug., 13, 1883. Receipts and shipments for forty-eight

hours ending at 11 a. m., to-day.

. (Cattle	Hogs	Sheep	Mules.
Receipts	2319	3353	1379	52
Shipments	. 260	1220	150	218
CATTLE-The	ore wee	o very	fair run	of both

took hold freely. Good fat natives there was no change in as sellers refused all offers, thinking they could do better by holding othy \$14; 1 fancy do at \$18, 1 thinking they could do better by holding them over. Texans and Indian cattle sold at 10to 15e off and common natives and mixed descriptions at 25e lower. Representative descriptions at 25e lower. Representative 110 @ ton; dressed at 65% @7% w b; shorts 55% @6e; hackled tow at \$75 @80 \(\psi\$ ton; break

saics.	
19 native cows 936	\$4 00
M native cows-heifers 887	3 80
1 native cows-heifers 870	3 65
l6 native cows-heifers1000	3 75
36 Indian butchers 780	3 75
24 Indian butchers 848	3 90
21 Indian butchers 912	4 15
21 Indian butchers 896	4 15
12 Indian butchers 910	4 15
21 native cows 830	3 85
21 Indian butchers 932	4 15
24 native steers	5.80
16 native steers	5.75
19 native mixed 900	4 00
10 Texas steers 875	4 8736
12 Texas steers 928	4 12%
22 native cows 835	3 37 16
14 southwest cows—heifers 733	3 50
18 southwest cows—heifers 797	3 50
10 southwest steers 900	2.50
CITTORNE	- 40

SHEEP-Good sheep wanted and would sell readily at fair prices. Common, dull are fully 25c lower at \$2 50@3 00. Good to prime

FRIDAY, Aug. 10, 1883. Receipts and ship-

		Cattle	Hogs	Sheep	and Mul
1	Receipts	1272	1703	1905	1
1	Shipments.	613	1910	1050	

CATTLE—Offerings were small and, with a good demand from the few buyers present, soon disposed of at very satisfactory prices. Good cattle of any discription was scarce, the Cattle Hogs Sheep deceipts.... 2279 3621 2848 120 thipments ... 713 1735 862 39 CATTLE—The movement to day was slow contributed to the offerings consisting of mixed cows and steers or beifers. The number of grass Texans and Indians was small and there being a very faft inquiry for this description at the start, buyers being rather scarce and the supply unusually small for the day. The quality on sale were somewhat improved, market in a general way was most satisfac-

sales:	
24 Indian cows-steers 904	\$4 00
21 native cows-heifers 843	3 60
24 Indian cows-heifers 752	3 75
15 native cows-heifers 852	3 80
10 native cows-heifers 847	3 75
46 southwest steers 849	4 12%
46 Indian cows-steers 880	3 80
19 Indian butchers 810	4 15
17 native steers	4 75
18 southwest cows-heifers 853	3 75
15 southwest cows-steers 842	3 50
15 native mixed 763	3 50

HOGS-The market experienced a boom in however and there was no other way out. Sales of lights were large at \$6 10@6 25. Heavies were slow and but few changed hands at \$5@5 50 for packing, and \$5 50@5 75 for

۱	16\$6 15	19\$6 15
ı	18 6 15	17 6 15
1	41 6 20	20 6 50
ı	23 203 6 20	46170 6 10
1	46 5 85	74 198 5 75
	93 5 40	22 6 10
1	27 197 6 10	15 6 10
	12 185 6 25	33 163 6 10
	57 6 25	60 6 10
	59 5 70	51 5 60
	62 257 5 60	61 5 42
,	SHEEP-Quiet but	unchanged; demand
)	fair, common to good	\$2 50@4 00; prime \$410@

4 50; stockers \$2 25@3 00; Texans \$2 75@3 90; lambs \$4 75@5 15. Sales: 83.....79..... \$3 75 94.....92..... 4 00 105.....77..... 4 65

GENERAL MARKET.

unchanged prices. Some interest has been manifested within a few days, but views of buyers and but few sales have been heard of.
A lot of 2,000 sacks family sold late last week,
and 560 sacks fancy yesterday. but here transactions were on reserved terms. Yesterday's sales included 5,500 barrels. Grades below XX not accurately quotable. Market limits for others as follows

XX	 					 				•				 .!	53.	20
XXX	 			 									 		3	50
Family	 	 	 										 		4	00
Choice	 						 						 		4	70
Fancy.	 	 	 	.,	 										5	25

taking hold except at their own figures, and later the arrivals increasing considerably, a weakness was noticed which gave promise of mainly comprises No. 3 red winter which has yesterday morning was 822,458 bushels against 719,045 Saturday morning, and of No. 3 red 86,577 bushels against 89,419 bushels same date.

were No. 2 mixed, against 529,189 last Saturday night. There was an easier market for No. 2 mixed, and an active export buying and but one can hardly realize what it is without for covering shorts on maturing contracts, and sales included 75 cars and 25,000 bushels The name, Nature's Wonderland, it well deand sales included 75 cars and 25,000 bushels in round lots; but other grades were in light serves—some of the most wonderful cures movement-No2 white-mixed unchanged, and having been made by its waters. Rolling or and the control of the mountains in vast quantities, these constants and st. Charles were large, but with an attending active milling demand, the market closed strong. Future significantly qualities. Hot as they are, a more were weakened by reports of lower markets elsewhere and more sellers than buyers, and closing was lower than Saturday. But there resided. elsewhere and more seilers than buyers, and laving l freshed. But there was more option business done than any day for a week, and largely more than Saturday. as shown by the following comparison: No 2 cash selling for 46, No 2 white mixed cash 40 4. OATS-No. 2 cash 251/2, August selling high-

HAY-General condition of market withou any change whatever-there being an urgent and unsupplied demand for choice to fancy Shipments...... 260 1220 150 218
CATTLE—There was a very fair run of both native and grass cattle and under a very liberal inquiry from local and interior buyers. native and grass cattle and under a very liberal inquiry from local and interior buyers a good movement was had, but at lower prices only. Trading was slow at the outset, but the reduction was finally made buyers there was the reduction was finally made buyers at \$8 50; 2 do \$8 75; 6 choice do \$9; 2 fancy there was do \$9 50; 1 car new mixed and 1 common old times the reduction was finally made buyers.

tow \$35@40.

BUTTER-No change to note in the condi tion of this market-steady and unchanged for choice stock; medium and low grades dull as ever-nominal. Sales were at 19@200 for choice to fancy creamery and 21c for selections; seconds at dairy rates; dairy at 15@ 17c for choice to fancy; fair to good 10@12c on 8@10; country packed slow; choice (0c; common at 5@7c.

CHEESE-Quiet and steady. Round lots from first hands: 8@9 for full cream and 4@5c for inferior—small way 1@2c higher, according to size of lot.

EGGS—Higher and demand unsupplied; sales were at 13%@14c for choice marks; doubtful and old stock much lower. POULTRY—Unchanged: Demand was mod erate and the offerings light. We quote:
Spring chickens—Small and scrubby \$1@125, Or C. B. Rollins, Columbia, Mo.

fair to good \$1 50@1 75, choice \$2 and fancy large \$2 25. Old chickens-Cocks \$2 75@3, mixed \$2 15@3 25, hens \$3 40@350; spring ducks

GAME-Steady. Woodcock at \$5 and wood duck at \$2 25. POTATOES-Offerings (all of near-by

growth) were plentiful, and sold lower, mainly at 30@32c; consigned lots nominal, at 20c to ONIONS-Dull and dragging; and to sell well with any freedom lower prices would have been necessary. About 150 bbls red sold at \$1 60@1 65, and small sacked lot yellow at

55c per bu. We quote: Sacked at 25c to 46c for Illinois and Missouri growth, to 55@60c per bu for sound Iowa—latter in bbls at \$1 69

SWEET POTATOES - Lower. Bermuds (home-grown) sell at \$140 F bu loose, South rn yams at \$2 per bbl. CABBAGE-Selling in shipping order at

TOMATOES-Home-grown at 30@40c per bu ese for ripe,75c per bu box in shipping order

WHITE BEANS-Firmer. Country \$1406 90. Eastern (jobbing only) screened ım \$2 30, do navy \$2 30@2 40, hand-picked

nedium \$\frac{1}{2}\$ 30\text{@2}\$ 35, navy \$\frac{1}{2}\$ 40\text{@2}\$ 45.

APPLES—Although receipts were not so neavy, the market was still glutted—mainly with fruit entirely unfit for shipping; nearly every lot on sale was either badly mixed or of inferior quality—much was fall fruit premacurrent the day before. Buyers were com-pelled to pay these figures although they did so with great reluctance; they wanted hogs ly no sale for anything save choice straight varieties, in prime shipping condition. We quote: Choice at \$1.75, fancy worth more, fair \$1 25@1 50, inferior 75c@\$1. Sales: 3 cars part butchers weights. Skips and culls \$4 75@5. E. side at \$1.50, 300 bbls in lots at 75c@\$1 25 for soft to \$1 75@2 for choice.

PEACHES—Offerings small, principally of inferior fruit which sells slowly; choice stock scarce and wanted, Sales of Southern Illinois at 35@40c # 1/2 bu box for hard and green 50@60c for fair, 75c to 90c for choice, \$1@125 for Crawford; Arkansas, Texas and Mississippi small clings and seedling free stones at 40@60c; Texas choice to fancy \$1 to \$50.

PEARS-Bartlett sold lower, under freer re eipts-20 bxs at 90c, 100 at \$1, 15 at \$1 10: com non varieties dull at 50@75c \$7 1/3 bu boxome in bbls at \$3 # bbl. WHORTLEBERRIES-In request at \$3 pe

-gal case. CRAB APPLES—Dull at 35@40c ₩ ¼-bu box 32 50@3 # bbl Siberian or transcendent.

GENERAL MARKET.

CALIFORNIA FRUITS—We quote: Pears at \$4 50@5 and plums at \$2 75 \(\psi \) box; grapes \$2 75 # 20 - th case

ples—prime 6½c, fair 6c, sliced 6½@7c, No 1 evaporated 11@12c, No 2 do 9@10c; peaches— prime halves at 6c, do mixed 5½c—all old wormy, very dark, or inferior fruit propor tionately less.
PLUMS—Damson scarce and in demand at \$1 10@1 25 \$7 1/2 bu box; Chickasaw slow at 50@

WATERMELONS—Lower, under large offer-erings. Car lots on track sell at \$80@110 per car. Jobbing sales at \$6 to \$15 per 100, acording to size and kind.

CANTALOUPES—Sold lower and slowly at extreme range of 50c to \$1 25 per doz.—Latter for choice white Japan.

GRAPES—In limited supply and demand at steady prices. Hartford 5@6c; Ives seedling 7@8c; Concord 7@9; Delaware 10@12 ₩ b. GRASS SEED-Quiet. None offering. We quote: Spot seeds (nominal): German millet 30@45c; common millet 30@49c; Hungarian 40@60e; timothy \$1 45@150; clover \$7@8 50; redtop 40@50c

FLAXSEED-Lower and tending down, with sales of 14 cars spot and 2 cars August at \$1 28. \$1 25 bid September.

COTTON SEED-Salable at \$16 \$ ton, Sept HEMP SEED-Quiet at \$1 35@1 50; prime reeaned worth more. CASTOR BEANS—None offering; nominal;

Hot Springs of Arkansas.

Send to the undersigned for a copy of illustrated pamphlet lately issued. Same

F. CHANDLER, H. C. TOWNSEND, Gen. Ticket Agt. Gen. Pass Agt. St. Louis Mo.

BEN: Perley Poore sensibly says in the

Cultivator:

"Noontime should be kept by every farmer, and work should be suspended when the steam whistle of some neighboring factory, the bell of the village church, or the housewife's horn announces that it is twelve o'clock. To go to the house, indulge in a wash at the pump, eat a hearty dinner, and rest afterwards, perhaps enjoying a smoke, requires an hour—good, honest sixty minutes. Nor should this be intrenched upon by grinding seythes, feedling hors. upon by grinding seythes, feeding hogs, or doing other chores. "The laborer is worthy of his hire," we are told, and he is also entitled to his nooning."

Agricultural College Lands!

STATE of MISSOURI 100,000 ACRES FOR SALE :

Catalogues containing full description are now ready for free distribution. Call

FISHER&CO.



Will Buy the above Scale WEIGHING FROM 1/4 OZ. TO 240 LBS.,

AND THE

RURAL WORLD, One Year.

N. J. COLMAN,

600 Olive Street. : St. Louis, Mo

Laclede Hotel.

St. Louis, Mo.

Is now in complete order, refurnished, redecorated and reappointed. New sewering & plumbing, with every sanitary improvement. 300 rooms for guests single and en suite, with or without bath. First-class in every respect. Popular prices.

GRISWOLD & SPERRY.

THE CHAMPION BOB-TAIL SULKY PLOW has done some remarkably fine work during the Spring trade. The demand for them was very great and the manufacturers were unable to fill their orders. A number of the largest dealers have already received shipments for the Fall trade.

Circulars and other information can be had from

W. F. SCHŒNHARD, 108 N. Main St., St. Louis, Mo Or the manufacturers,

J. LANE REED & CO., Dayton, O.

DRY GOODS Will be sent, at St. Louis prices, to any resolvent resolvent of the United States or Canada,

BY THE WM. BARR DRY GOODS CO.

GREAT CENTRAL STORE. Fronting on 6th, on Oilve, and on Locust Streets, PROVIDED

Order is plainly written.
Name and Address given.
P. O. Order or Bank Draft enclosed,
Or Money in Registered Letter.
Shipping Directions given. SPECIAL OFFERS.

will send Samples free on application. Is not suiting will be exchanged or money redunded.
We will deduct Two per cent. discount from every order that mentions the name of Newspaper from which information about us is obtained.

Furniture, Stove and Carpet Company, Address Your Letters to the

ST. LOUIS, MO. WM. BARR DRY GOODS CO.

BONNABEL'S Bi-Sulphite of Lime.

ESTABLISHED IN 1851.

Constantly used by all sugar-makers in Louisiana, and by brewers all over the country. Send for circulars. My article can always be obtained from Messrs. C. Ehlermann & Co., 22d. Street and Scott Ave., St. Louis and Coolidge & Marcus, 241 Water street, Nev Arck.

H. BONNABEL, New Orleans.

DRAIN YOUR FARM! FARM DRAIN TILE. SONS, 20 S. 11th St., St. Louis, M



BOYD'S BURCLAR PROOF Grave Vault, Absolute Protectection from **GRAVE ROBBERS.** Manufactured by

The Springfield M'fg. Co.,

\$5.00 PREMIUM GERMAN AMBER 50 BUSHELS TO THE ACRE.

To the Editor:

I procured a pint of wheat from the Department at Washington four years ago, and after planting it two years isolated from all other grain, in 1882 I raised in a fraction of as fine wheat as I ever saw prow. The miliers to whom I submitted samples in two and five bushel lots pronounced it the best milling wheat they ever saw and would have bought all I had at a high price, but this I refused, as I wanted it for seed. The German Amber is a smooth headed fall wheat, tillers finely, is a vigorous grower, large, strong, free from rust, stalks stand up well, has theglargest heads I ever saw on wheat, and the berries are large and fat, and in some instances have been procured that had as high as 65 grains in them. It stands the winter finely and is absolutely clear of all other kinds of seeds. I think, and my neighbors coincide with me, that the German Amber wheat is the best fail wheat that ever was planted in this section of the country.

L. H. BAKER, St. Louis Co., July 17, 1883.

I bought two bushels of the German Amber wheat from myneighbor, L. H. Baker, and it has made this year from one-third to jone-half more wheat than any I have planted. I consider it a better wheat by far than the old Golden Chaff, as the heads are larger, the stalks stronger and the barries much heavier than any wheat I have ever grown.

St. Louis Co., July 16, 1883.

MICHAEL DEMPSEY. MICHAEL DEMPSEY.

WHAT STATE SENATOR PARSONS SAYS OF IT.

I have noticed of late in your paper several statements in relation to German Amber wheat, in all of which I concur. Four years since, I obtained from the Department of Agriculture at Washington (per mail) a sample of the above wheat, which I have carefully cultivated since and the result has been most satisfactory. Two years ago, wheat in this section was almost an entire failure by being water killed. Upon the same kind of ground, with the same preparation and exposure, seeded at the same time, my German Amber stood the test and produced more than double of any other variety I raised that season, having several other kinds of wheat at the time. This season, in the spring, we had a very severe drought, which prevented the wheat generally from stooling. The Amber stood the drought much better than any other variety, having stooled out well, and will make from five to seven bushels per acre more than any other variety upon the same kind of ground; and the quality is very fine. Having tested this wheat as I have, I do not hesitate to say that I believe it to be the wheat for this section of country.

Saline County, July 23, 1883.

I. S. PARSONS.

An O do Co Lori

ture.
publ
opin
in b

and e

reach will : the e gesti impr I r

ogniz only indus

Th

scien

prese

tory at ha

or me Sin count

millio

when

Hence

ductio

exper

Europ ferior

crease nually that o

cy ha

cess th

territo cultiva

quanti

The

cess of

was the sufficient able sedifficult

Hon. Wm. G. Leduc, Commissioner of Agriculture, in sending this wheat to Mr. Baker, says: "This variety was imported from Germany about six years ago. The present crop was grown on the banks of the Ohio river on rich sandy soil. It was drilled the last of Octobe and the crop yielded forty bushels to the acre. The heads are long, the berries plump, straw stiff and free from rust, and its milling qualities are unsurpassed."

Geo. W. Berkley, of Riley county, Kan, who received a sample of this year's crop of rman Amber, submitted it to a miller of his vicinity, who pronounced it a very superior blity of milling wheat.

This Seed Wheat will be delivered on board of cars at St. Louis at the following prices 1 Bushel.....\$ 3.50 Bushels 10.00 100 or more Bushels, \$2.00 per bushel. 50.00

Novelty

A. J. CHILD & CO.,

209 Market St., St. Louis.

Mediterranean Hybrid "Winter"

the Mediterranean, plump be ator, and we know it to be pu One to ten bushels, \$6.00 per l Sacks included. Order early

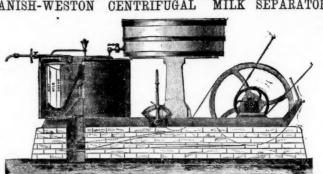
T. H. BROWN & SON'S



Bradley, Milwaukee; Stephen Bull and J.Case of Racine; W. H. Craw-ford, P. V. Johnson, W. H. Doble, and hundreds of the best drivers all over the country; J. C. McFerren & Co. Ky.; Ex-Gov. Colman, St. Louis.

1880.

DANISH-WESTON CENTRIFUGAL



1,500 in daily use. Separates 1200 lbs. per hour. Works continuously. Gives a gain of 15 per cent. of Butter. PHILADELPHIA CREAMERY SUPPLY CO. (Limited.)

J. M. WARD

Nos. IIII, III3 and III5 Franklin Av., St. Louis.

SORGHUM SUGAR MAKERS. Furniture, Carpets, Stoves, Tinware, Baby Carriages, Clothes Wringers, Lamps and Glassware,

Plain and Decorated Toilet Sets,

And Everything Needed for Housekeeping.

GOODS SOLD FOR CASH OR ON TIME PAYMENTS AT THE LOWEST BOTTOM PRICES. CALL AND EXAMINE. Open Every Night Until 9 O'Clock.

ST.LOUIS, MO

pecialties. STARK NURSERY,

ASTROLOGER, PHYSICIAN. Cures all diseas-des, tells past and future love affairs, speedy marriage, evil influences, good luck, law, speculations, what business to engage in, &c., attended. Book sent for 15 cts. Dr. Alleon, S0. 15th street, St. Louis.

GREAT WESTERN GUN WORKS.

of any gar, if from eizable s than fr Northe may s melada from e with th at hand prevent sugar in and wit and the perfect and boi Much cultivat

that bar rank fib ble suga advanta it should with sm Now 1 so far at and the your rep Clark; y one-half

(analyti ducts on acre, 790 116 gallo for \$116

ufacture \$61.55. from tw and we My own 1-2 tons